

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. 1 DATED 7/31/2017 ADDENDUM NO. DATED
 ADDENDUM NO. DATED ADDENDUM NO. DATED

Number	Description
1	Revised Table of Contents; Revised NTB No. 2; Added NTB No. 8; Deleted NTB No. 15; Revised NTB Nos. 161, & 170; NTB No. 245 replaces NTB No. 17; Added NTB No. 296; Revised Bid Items; Revised or Added Plan Sheet Nos. 2-3, 9-11, 21-22, 59, 61, 63, 93, 220, 452, 542, 555, 561, 933-934, 999-1000, 1017, 2028, 8001, 8049, 8055, & 8058; Amendment EBS Download Required.

TOTAL ADDENDA: 1
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

 Contractor

BY _____
 Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____	President	Address
_____	Secretary	Address
_____	Treasurer	Address

The following is my (our) itemized proposal.

NH-0008-03(029)/ 102046301000

Rankin County(ies)

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: NH-0008-03(029)/102046301 - Rankin

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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

07/31/2017 09:25 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2

CODE: (IS)

DATE: 03/01/2017

SUBJECT: Status of Right-of-Way

Although it is desirable to have acquired all rights-of-way and completed all railroad agreements, utility adjustments and work to be performed by others prior to receiving bids, sometimes it is not considered to be in the public interest to wait until each and every such clearance has been obtained. The bidder is hereby advised of possible unacquired rights-of-way, relocations, railroad agreements and utilities adjustments which have not been completed.

The status of right-of-way acquisition, utility adjustments, encroachments, potentially contaminated sites, railroad facilities, improvements, and asbestos contamination are set forth in the following attachments.

In the event right of entry is not available to ALL parcels of right-of-way and/or all work that is to be accomplished by others on the date set forth in the contract for the Notice to Proceed is not complete, the Department will issue a restricted Notice to Proceed.

STATUS OF RIGHT-OF-WAY
NH-0008-03(029)
102046-301000, 301100, & 301200
Rankin County

All rights of way and legal rights of entry have been acquired **except:**

None.

ASBESTOS CONTAMINATION STATUS OF BUILDINGS
TO BE REMOVED BY THE CONTRACTOR
NH-0008-03(029)
102046-301000, 301100,301200
Rankin County
May 15, 2017

Reference is made to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Removal of Obstructions".

The following pertinent information is furnished concerning asbestos containing materials (ACMs), if any, found in buildings to be removed by the Contractor.

There are no buildings in the contract to be removed.

STATUS OF POTENTIALLY CONTAMINATED SITES

NH-0008-03(029)

102046-301000, 301100, 301200

Rankin County

May 15, 2017

This project has been inspected and there was no visible indication of potentially contaminated sites within the proposed right of way.

Dick Hall
Central District Commissioner
Brian D. Ratliff
District 5 Engineer

P. O. Box 90
Newton, MS 39345-0090
Telephone (601) 683-3341
FAX (601) 683-7030



Melinda L. McGrath
Executive Director
James A. Williams, III
Deputy Executive Director/Chief Engineer
Lisa M. Hancock
Deputy Executive Director/Administration
GoMDOT.com

To: Anne Russell
ROW Division

Date: May 12, 2017

From: Mitchell Young
Resident Engineer

Subject of Project No: NH-0008-03(029)
102046/301000,
102046/301100,
102046/301200

Information Copy To: Kent Reeves (District 5)
John Murray (District 5)
Hogan and Glenn (Construction)
Project File

County: Rankin

Please be advised, I certify that the above captioned project was inspected on May 12, 2017, and no visible encroachments were found.

If more information is needed, please advise.

Dick Hall
Central District Commissioner
Brian D. Ratliff
District 5 Engineer

P. O. Box 90
Newton, MS 39345-0090
Telephone (601) 683-3341
FAX (601) 683-7030



Melinda L. McGrath
Executive Director

James A. Williams, III
Deputy Executive Director/Chief Engineer

Lisa M. Hancock
Deputy Executive Director/Administration

GoMDOT.com

July 14, 2017

MEMORANDUM

TO: RIGHT OF WAY DIVISION
Ms. Ann Russell

FROM: CONSTRUCTION ASSISTANT
Lisa Horton

RE: US 49 from Florence to Scale Area
NH-0008-03(029) 102046/301000
Rankin County

US 49 from Florence to Scale Area (RR Surface)
NH-0008-03(029) 102046/301100
Rankin County

US 49 from Florence to Scale Area (RR Signals and Gates)
NH-0008-03(029) 102046/301200
Rankin County

UTILITY STATUS

To the best of my knowledge, all utilities have relocated their facilities.

LH: lh

PC: Mr. Michael Hogan, Construction Division
Mr. Dale Greer, ROW Division
Ms. Trudi Loflin, ROW Division
Mr. Chris Nail, Asst. Dist. Const. Engineer- Preconstruction
District File

ROW STATUS REPORT OF AFFECTED RAILROAD FACILITIES

PROJECT EXTERNAL NUMBER: NH-0008-03(029)
PROJECT FMS NUMBER: 102046/301000, 301100, 301200
TERMINI: US 49 from Florence to Scale Area
COUNTY: Rankin

DATE: May 18, 2017

The railroad agreement has been secured on the affected railroad facilities on the above referenced project.

ASBESTOS CONTAMINATION STATUS OF BUILDINGS
TO BE REMOVED BY THE CONTRACTOR

NH-0008-03(029)

102046-201000

Rankin County

May 15, 2017

Reference is made to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Removal of Obstructions".

The following pertinent information is furnished concerning asbestos containing materials (ACMs), if any, found in buildings to be removed by the Contractor.

There are no buildings in the contract to be removed.

STATUS OF POTENTIALLY CONTAMINATED SITES

NH-0008-03(029)

102046-201000

Rankin County

May 15, 2017

This project has been inspected and there was no visible indication of potentially contaminated sites within the proposed right of way.

Improvements to be included in Notice to Bidders to be removed by the Construction Contractor
FMS Construction Project No: 102046-301000, 301100, 301200
FMS ROW Project No: 102046-201000
External ROW No: NH-0008-03(029)

Parcel No: 031-04-00-W
Station No: 85' L 634+30
Property Owner: O'Reilly Automotive Inc.
Description/Pictures: Metal sign



Parcel No: 036-02-00-W
Station No: 40' R 643+00
Property Owner: James B. Bailey Properties, LLC
Description/Pictures: Metal sign



ASBESTOS CONTAMINATION STATUS OF BUILDINGS
TO BE REMOVED BY THE CONTRACTOR

NH-0008-03(029)

102046-202000

Rankin County

May 15, 2017

Reference is made to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Removal of Obstructions".

The following pertinent information is furnished concerning asbestos containing materials (ACMs), if any, found in buildings to be removed by the Contractor.

There are no buildings in the contract to be removed.

STATUS OF POTENTIALLY CONTAMINATED SITES

NH-0008-03(029)

102046-202000

Rankin County

May 15, 2017

This project has been inspected and there was no visible indication of potentially contaminated sites within the proposed right of way.

Improvements to be included in Notice to Bidders to be removed by the Construction Contractor
FMS Construction Project No: 102046-301000, 301100, 301200
FMS ROW Project No: 102046-202000
External ROW No: NH-0008-03(029)

Parcel No: 050-04-00-W
Station No: 120' L 753+15
Property Owner: Ray & Diane Jones Properties, LLC
Description/Pictures: Wooden sign



Parcel No: 068-07-00-W
Station No: 115' L 793+00
Property Owner: Tar- Kar. Inc.
Description/Pictures: Metal flag pole



ASBESTOS CONTAMINATION STATUS OF BUILDINGS
TO BE REMOVED BY THE CONTRACTOR

NH-0008-03(029)

102046-203000

Rankin County

May 15, 2017

Reference is made to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Removal of Obstructions".

The following pertinent information is furnished concerning asbestos containing materials (ACMs), if any, found in buildings to be removed by the Contractor.

There are no buildings in the contract to be removed.

STATUS OF POTENTIALLY CONTAMINATED SITES

NH-0008-03(029)

102046-203000

Rankin County

May 15, 2017

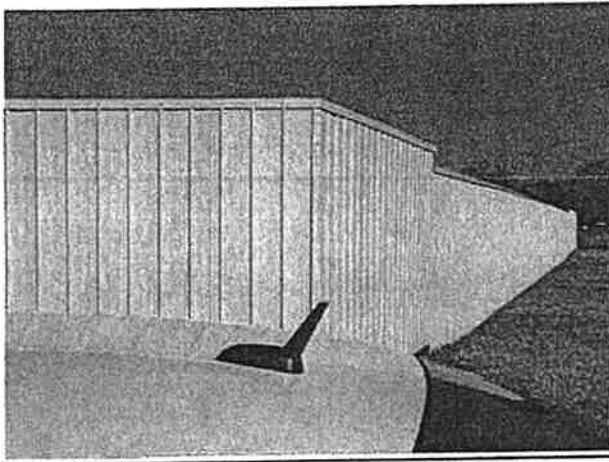
This project has been inspected and there was no visible indication of potentially contaminated sites within the proposed right of way.

Improvements to be included in Notice to Bidders to be removed by the Construction Contractor
FMS Construction Project No: 102046-301000, 301100, 301200
FMS ROW Project No: 102046-203000
External ROW No: NH-0008-03(029)

Parcel No: 077-00-00-W
Station No: 80' R 897+20
Property Owner: JCM Properties
Description/Pictures: Pipe fencing



Parcel No: 077-00-00-W
Station No: 200' R 896+80
Property Owner: JCM Properties
Description/Pictures: Metal fencing



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 8

CODE: (SP)

DATE: 07/18/2017

SUBJECT: Errata and Modifications to the 2017 Standard Specifications

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
16	102.06	In the seventh full paragraph, change “Engineer” to “Director.”
33	105.05.1	In the sixth sentence, change “Engineer” to “Director.”
34	105.05.2.1	In subparagraph 2, change “SWPPP, ECP” to “SWPPP and the ECP”
35	105.05.2.2	In subparagraphs 2, add “ and” to the end of the sentence. In subparagraph 3, remove “, and” and add “.”.
90	109.04.2	In the last paragraph of subparagraph (a), place a period “.” at the end of the sentence.
93	109.04.2	In the last paragraph of subparagraph (g), place a period “.” at the end of the sentence. Also, in the first paragraph of subparagraph (h), place a period “.” at the end of the sentence.
98	109.11	In the third sentence, change “Engineer” to “Director.”
219	308.04	In the last sentence of the last paragraph, change “Contractor’s decision” to “Engineer’s decision.”
300	405.02.5.9	In the first sentence of the second paragraph, change “Hot Mix Asphalt” to “Asphalt Mixtures.”
502	630.01.1	In the first paragraph, change “ <u>AASHTO</u> ” to “ <u>AASHTO’s LRFD</u> ”.
532	642.02.6.6.2	Change the subsection number from “642.02.6.6.2” to “632.02.6.6.2”
532	642.02.6.6.2	Change “Section 661” to “Section 907-661.”
532	632.02.6.6.4	Change “Subsection 663.02.2” to “Subsection 907-663.02.2.”
554	634.05	In the description for 634-A, change “___’ Pole” to “___’ Shaft.”

- | | | |
|-----|---------------|---|
| 688 | 630.03.2 | Change the subsection number from “630.03.2” to “680.03.2.” |
| 725 | 702.08.3 | In the second sentence of the first paragraph, change “hot-mix” to “asphalt.” |
| 954 | 804.02.13.1.6 | In the definition for “M” in the % Reduction formulas, change “paragraph 7.3” to “paragraph 5.3.” |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 161

CODE: (SP)

DATE: 7/31/2017

SUBJECT: Lane Closure Restrictions

PROJECT: NH-0008-03(029) / 102046301 – Rankin County

Bidders are hereby advised that lane closure restrictions on the above project shall be as follows:

US 49

Monday through Friday: Lane closures will NOT be allowed between the hours of 6:00 AM to 9:00 PM on Northbound US 49. Lane closures will NOT be allowed between the hours of 8:00 AM to 10:00 PM on Southbound US 49.

Saturday and Sunday: Lane closures will NOT be allowed between the hours of 7:00 AM to 10:00 PM on Northbound or Southbound US 49.

All Signalized Intersections

Monday through Friday: For all side roads at signalized intersections lane closures will NOT be allowed between the hours of 6:00 AM to 9:00 AM or 4:00 PM to 7:00 PM.

Exception: For the cases described in the High Priority Areas Notice to Bidders the above restriction for signalized intersections will not apply.

No further exceptions to the above restrictions will be allowed unless specifically approved by the Project Engineer.

Also, no lane closures will be permitted on the following holidays or the day preceding them: New Year's Day, Memorial Day, Easter, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. In the event that one of the above mentioned holidays falls during the weekend or on a Monday, no lane closures will be allowed during that weekend or the Friday immediately preceding that holiday. In addition, no lane closures will be allowed the Friday, Saturday, and Sunday following Thanksgiving.

If the lane closure restriction listed above is violated, the Contractor will be charged a fee of **\$500.00** for each full or partial five minute period until the roadway is back in compliance with the lane closure restriction requirement.

Work requiring a lane closure shall begin within one (1) hour of the completion of the lane closure setup. Lane closures will be allowed only at times when work requiring a lane closure is underway. Failure to begin work within this 1-hour period will result in the Contractor being charged a lane rental fee of **\$500.00** for each full or partial five-minute period until work has begun.

For the purposes of this contract, official time shall be the announced time available at the Jackson area telephone number (601) 355-9311.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904-NOTICE TO BIDDERS NO. 170

DATE: 7/31/2017

SUBJECT: High Priority Areas

PROJECT: NH-0008-03(029) / 102046301 – Rankin County

Bidders are hereby advised of the following regarding the areas labeled as “High Priority” in the Traffic Control section of the plans.

Work in these defined areas in which the road, intersection, or cross over will be closed shall be restricted to being performed between the hours of 9:00 PM Friday through 6:00 AM Monday. The road, intersection, or crossover shall be opened to the traveling public outside of the above mentioned times.

Consecutive intersections shall not be closed simultaneously.

The Contractor shall submit to the Project Engineer a proposed Sequence of Construction Plan for review and approval prior to closing any “High Priority” area. This plan shall be submitted a minimum of 4 weeks prior to any closures and shall detail, at a minimum, the Contractor’s proposed methods of construction, a schedule of construction, a traffic control plan, and any other relevant information.

The Contractor shall notify the Project Engineer at least 72 hours in advance of a closing of a “High Priority” area.

Failure to adhere to the above listed restrictions will result in the Contractor being assessed a fee of **\$5,000.00** for each full or partial day until the area is re-opened to traffic.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 245

CODE: (SP)

DATE: 06/27/2017

SUBJECT: Illinois Central Railroad Construction Requirements

Bidders are hereby advised that provisions which are required as per the Notice to Bidders entitled "Railway-Highway Provisions" shall also include the following.

The Contractor shall submit to the Project Engineer and the Railroad detailed plans and design data for temporary construction clearances, stages of construction, erection plans, demolition plans, false-work plans, excavation plans, and temporary shoring plans and calculations, as required, and shall be sealed by a Mississippi Registered Professional Engineer. All submittals must be approved by the Railroad before excavation or construction can begin within Railroad Right-of-Way. All construction submittals for work performed within the Illinois Central Railroad (ICRR) right-of-way shall be made per the current ICRR design guidelines.

Prior to beginning any work on the ICRR right-of-way, the Contractor shall obtain a Right of Entry License Agreement and submit a Request for Flagging Services. To request said documents, the Contractor should contact John Dinning. Mr. Dinning's contact information is as follows.

John W. Dinning
Manager Engineering Services
Canadian National/Illinois Central Railroad
P.O. Box 2600
Jackson, MS 39207

The Contractor shall be responsible for payment of all application fees.

This project will require construction activities on the right-of-way of active railroad tracks which are currently owned and/or operated by ICRR. When work requires that equipment or personnel be within the ICRR right-of-way or the "foul zone" adjacent to the right-of-way, a qualified "Employee-in-Charge" (EIC) must be present for the purpose of providing on-track safety and flagging protection for the work crews. The EIC shall also be responsible for the coordination of the Contractor's activities within the ICRR right-of-way with the operation of the Railroad. The EIC must be approved by the local ICRR Roadmaster prior to beginning work on the ICRR right-of-way. The Contractor will be required to provide radios for the EIC, all equipment operators, supervisors, and foremen in charge of employees working within the ICRR right-of-way. All personnel who must enter upon the ICRR right-of-way must check in and out with the EIC and be logged in and out of the site.

All personnel who must work within the ICRR right-of-way at any time shall be trained and certified as a ICRR "Roadway Worker" and must at all times have their certification card with them and available for random inspection. The Contractor will be responsible for providing this

training for Contractor employees or any subcontractor(s) employees. The Contractor shall contact www.contractororientation.com for approximate fees and scheduling the necessary training sessions. The Contractor shall also contact the MDOT Project Engineer to see if any MDOT employees need this training. If so, the Contractor shall include the MDOT employees in the list of participants for training. The Contractor shall bear the cost of training the MDOT employees. Costs for training the MDOT employees will be reimbursed to the Contractor by supplemental agreement.

Prior to commencing work, the Contractor shall provide to the Railroad Engineer or the Railroad Engineer's designated representative, [with copies to the Project Engineer](#), a detailed construction schedule for its work on Railroad's right-of-way, including the proposed temporary horizontal and vertical clearances and construction sequence for all work to be performed on Railroad right-of-way. This schedule shall also include the anticipated dates when the milestone events listed below will occur. The Contractor shall update the schedule for these milestone events as necessary, but at least monthly, and shall provide a copy of all updates to the Railroad so that site visits may be scheduled.

- Preconstruction meetings.
- Excavations, shoring placement/removal, pile driving, drilling of caissons or drilled shafts adjacent to tracks.
- Reinforcement and concrete placement for near track piers.
- Erection of precast concrete or steel overpass bridge superstructure.
- Reinforcement and concrete placement of overpass bridge decks.
- Completion of the bridge structure.

The Contractor shall so arrange and conduct construction operations in such a manner that there will be no interference with Railroad operations, including train, signal, telephone and telegraphic services, or damage to the property of the Railroad or to poles, cables or wires (whether overhead or underground) and other facilities or tenants on the rights-of-way of the Railroad. Before undertaking any work within Railroad right-of-way and before placing any obstruction over any track, the Contractor shall:

- Notify the Railroad's representative at least 72 hours in advance of the work.
- Provide assurance to the Railroad's representative that arrangements have been made for any required flagging service.
- Receive permission from the Railroad Engineer to proceed with the work.
- Ascertain that the Project Engineer has received copies of notice to the Railroad and the Railroad's response.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 296

CODE: (SP)

DATE: 07/25/2017

SUBJECT: Reduced Speed Limit Signs

Bidders are advised that when the plans or contract documents require the speed limit on a project to be reduced, the Contractor shall begin work within 48 hours of installing the reduced speed limit signs. Should the Contractor not start work or have no plans to start work within 48 hours of installing the signs, the reduced speed limit signs shall be covered and existing speed limit signs uncovered.

Reconstruction of US 49 from Florence to the Scale Area, known as Federal Aid Project No. NH-0008-03(029) / 102046301 in Rankin County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	202-A001		1	Lump Sum	Removal of Obstructions
0030	202-B007		276,689	Square Yard	Removal of Asphalt Pavement, All Depths
0040	202-B018		5	Each	Removal of Box Culvert
0050	202-B023		4	Each	Removal of Bridge
0060	202-B029		660	Square Yard	Removal of Bridge End Pavement
0070	202-B037		1,360	Linear Feet	Removal of Bridge Railing
0080	202-B042		1	Each	Removal of Camera Pole
0090	202-B058		33	Each	Removal of Concrete Lug Anchor
0100	202-B059		2,611	Square Yard	Removal of Concrete Median & Island Pavement, All Depths
0110	202-B063		216	Square Yard	Removal of Concrete Paved Ditch
0120	202-B073		232,356	Square Yard	Removal of Concrete Pavement, All Depths
0130	202-B080		105	Square Yard	Removal of Concrete Sidewalk
0140	202-B092		68,916	Linear Feet	Removal of Curb, All Types
0150	202-B129		49	Each	Removal of Flared End Section, All Sizes
0160	202-B130		44	Each	Removal of Footing
0170	202-B158		3,324	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0180	202-B165		62	Each	Removal of Inlets, All Sizes
0190	202-B170		20	Each	Removal of Junction Box
0200	202-B185		1	Each	Removal of Overhead Sign Including Panels, Truss, Supports & Footing
0210	202-B190		9	Each	Removal of Piling
0220	202-B191		16,664	Linear Feet	Removal of Pipe, 8" And Above
0230	202-B207		500	Ton	Removal of Riprap
0240	202-B213		3	Each	Removal of Sign
0250	202-B226		129,197	Square Yard	Removal of Soil Cement Treated Base, All Depths
0260	202-B239		6	Each	Removal of Traffic Signal
0270	202-B240		251,424	Linear Feet	Removal of Traffic Stripe
0280	202-B250		40	Linear Feet	Removal of Trench Drain, All Sizes, All Types
0290	203-A001	(E)	205,904	Cubic Yard	Unclassified Excavation, FM, AH
0300	203-EX021	(E)	226,725	Cubic Yard	Borrow Excavation, AH, FME, Class B9-6
0310	203-F001	(E)	7,434	Cubic Yard	Channel Excavation, FM
0320	203-G001	(E)	331,970	Cubic Yard	Excess Excavation, FM, AH
0330	206-A001	(S)	41,406	Cubic Yard	Structure Excavation

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0340	206-B001	(E)	737	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0350	209-A005		768,774	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0360	211-B001	(E)	5,000	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0370	213-C001		42	Ton	Superphosphate
0380	216-A001		10,929	Square Yard	Solid Sodding
0390	217-A001		2,355	Square Yard	Ditch Liner
0400	219-A001		220	Thousand Gallon	Watering [\$20.00]
0410	220-A001		84	Acre	Insect Pest Control [\$30.00]
0420	221-A001	(S)	4,385	Cubic Yard	Concrete Paved Ditch
0430	223-A001		840	Acre	Mowing [\$50.00]
0440	225-A001		84	Acre	Grassing
0450	225-B001		42	Ton	Agricultural Limestone
0460	225-C001		168	Ton	Mulch, Vegetative Mulch
0470	226-A001		84	Acre	Temporary Grassing
0480	234-A001		105,690	Linear Feet	Temporary Silt Fence
0490	234-C001		2,400	Linear Feet	Super Silt Fence
0500	234-D001		127	Each	Inlet Siltation Guard
0510	234-E001		127	Each	Reset Inlet Siltation Guard
0520	234-F001		300	Linear Feet	Turbidity Barrier
0530	237-A002		43,902	Linear Feet	Wattles, 20"
0540	239-A001		5,000	Linear Feet	Temporary Slope Drains
0550	245-A001		5,792	Linear Feet	Silt Dike
0560	246-A001		5,792	Linear Feet	Sandbags
0570	246-B001		375	Each	Rockbags
0580	247-A001		27	Each	Temporary Stream Diversion
0590	249-A001		1,974	Ton	Riprap for Erosion Control
0600	249-B001		500	Cubic Yard	Remove and Reset Riprap
0610	304-B005	(GT)	49,312	Ton	Granular Material, Class 5, Group E
0620	310-B001	(GT)	1,000	Ton	Size I Stabilizer Aggregate, Coarse
0630	403-A001	(BA1)	12,995	Ton	12.5-mm, HT, Asphalt Pavement
0640	403-A003	(BA1)	3,003	Ton	12.5-mm, ST, Asphalt Pavement
0650	403-A004	(BA1)	120,166	Ton	19-mm, HT, Asphalt Pavement
0660	403-A006	(BA1)	97,871	Ton	19-mm, ST, Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	403-A013	(BA1)	8,255	Ton	9.5-mm, HT, Asphalt Pavement
0680	403-A015	(BA1)	2,252	Ton	9.5-mm, ST, Asphalt Pavement
0690	403-D003	(BA1)	52,861	Ton	19-mm, HT, Asphalt Pavement, Polymer Modified
0700	403-E004	(BA1)	1,941	Ton	9.5-mm, HT, Asphalt Pavement, Polymer Modified, Leveling
0710	405-A001	(BA1)	58,631	Ton	Stone Matrix Asphalt, 12.5 mm Mixture
0720	405-A002	(BA1)	45,997	Ton	Stone Matrix Asphalt, 9.5 mm Mixture
0730	406-A002		61,700	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0740	406-B001		533	Square Yard	Cold Milling of Concrete Pavement, All Depths
0750	407-A001	(A2)	161,938	Gallon	Asphalt for Tack Coat
0760	413-D004		300	Linear Feet	Cleaning and Filling Joints in PCC Pavement, 10" or Less
0770	413-E001		310	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0780	423-A001		4	Mile	Rumble Strips, Ground In
0790	501-A001	(C)	2,850	Square Yard	6" Reinforced Cement Concrete Pavement, Broom Finish
0800	501-E001		267	Linear Feet	Expansion Joints, Without Dowels
0810	501-K001		533	Square Yard	Transverse Grooving
0820	502-A001	(C)	2,316	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0830	503-C010		48,047	Linear Feet	Saw Cut, Full Depth
0840	601-A001	(S)	1,064	Cubic Yard	Class "B" Structural Concrete
0850	601-B001	(S)	1,736	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0860	602-A001	(S)	562,562	Pounds	Reinforcing Steel
0870	603-A045	(S)	1,400	Linear Feet	24" Steel Pipe, Jacked or Bored
0880	603-A046	(S)	512	Linear Feet	30" Steel Pipe, Jacked or Bored
0890	603-A047	(S)	1,046	Linear Feet	36" Steel Pipe, Jacked or Bored
0900	603-A048	(S)	784	Linear Feet	42" Steel Pipe, Jacked or Bored
0910	603-A049	(S)	304	Linear Feet	48" Steel Pipe, Jacked or Bored
0920	603-ALT003	(S)	784	Linear Feet	18" Type A Alternate Pipe
0930	603-ALT006	(S)	40	Linear Feet	24" Type A Alternate Pipe
0940	603-CA011	(S)	23,864	Linear Feet	18" Reinforced Concrete Pipe, Class III
0950	603-CA026	(S)	9,932	Linear Feet	24" Reinforced Concrete Pipe, Class III
0960	603-CA040	(S)	6,600	Linear Feet	30" Reinforced Concrete Pipe, Class III
0970	603-CA055	(S)	4,032	Linear Feet	36" Reinforced Concrete Pipe, Class III
0980	603-CA066	(S)	2,952	Linear Feet	42" Reinforced Concrete Pipe, Class III
0990	603-CA076	(S)	944	Linear Feet	48" Reinforced Concrete Pipe, Class III
1000	603-CA087	(S)	2,032	Linear Feet	54" Reinforced Concrete Pipe, Class III

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1010	603-CB003	(S)	150	Each	18" Reinforced Concrete End Section
1020	603-CB004	(S)	33	Each	24" Reinforced Concrete End Section
1030	603-CB005	(S)	14	Each	30" Reinforced Concrete End Section
1040	603-CB006	(S)	24	Each	36" Reinforced Concrete End Section
1050	603-CB007	(S)	4	Each	42" Reinforced Concrete End Section
1060	603-CB008	(S)	4	Each	48" Reinforced Concrete End Section
1070	603-CB009	(S)	4	Each	54" Reinforced Concrete End Section
1080	603-CE002	(S)	584	Linear Feet	22" x 13" Concrete Arch Pipe, Class A III
1090	603-CE008	(S)	440	Linear Feet	29" x 18" Concrete Arch Pipe, Class A III
1100	603-CE013	(S)	344	Linear Feet	36" x 23" Concrete Arch Pipe, Class A III
1110	603-CE018	(S)	1,304	Linear Feet	44" x 27" Concrete Arch Pipe, Class A III
1120	603-CE023	(S)	1,120	Linear Feet	51" x 31" Concrete Arch Pipe, Class A III
1130	603-CE028	(S)	816	Linear Feet	58" x 36" Concrete Arch Pipe, Class A III
1140	603-CE034	(S)	584	Linear Feet	65" x 40" Concrete Arch Pipe, Class A III
1150	603-CE039	(S)	1,088	Linear Feet	73" x 45" Concrete Arch Pipe, Class A III
1160	603-CE044	(S)	48	Linear Feet	88" x 54" Concrete Arch Pipe, Class A III
1170	603-CF002	(S)	10	Each	22" x 13" Concrete Arch Pipe End Section
1180	603-CF003	(S)	3	Each	29" x 18" Concrete Arch Pipe End Section
1190	603-CF004	(S)	7	Each	36" x 23" Concrete Arch Pipe End Section
1200	603-CF005	(S)	31	Each	44" x 27" Concrete Arch Pipe End Section
1210	603-CF006	(S)	23	Each	51" x 31" Concrete Arch Pipe End Section
1220	603-CF007	(S)	7	Each	58" x 36" Concrete Arch Pipe End Section
1230	603-CF009	(S)	15	Each	73" x 45" Concrete Arch Pipe End Section
1240	603-PA001	(S)	142	Linear Feet	10' x 4' Precast Concrete Box Culvert
1250	603-PA009	(S)	659	Linear Feet	6' x 3' Precast Concrete Box Culvert
1260	603-PA011	(S)	44	Linear Feet	6' x 5' Precast Concrete Box Culvert
1270	603-PA013	(S)	146	Linear Feet	8' x 4' Precast Concrete Box Culvert
1280	603-PB001	(S)	4	Each	10' x 4' Precast Concrete Box Culvert End Section
1290	603-PB007	(S)	1	Each	6' x 3' Precast Concrete Box Culvert End Section
1300	603-PB009	(S)	2	Each	6' x 5' Precast Concrete Box Culvert End Section
1310	603-PB011	(S)	4	Each	8' x 4' Precast Concrete Box Culvert End Section
1320	603-SB014	(S)	14	Each	18" Branch Connections, Stub into Concrete Box Culvert
1330	603-SB015	(S)	1	Each	18" Branch Connections, Stub into Concrete Box Culvert Wingwall

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1340	603-SB028	(S)	3	Each	24" Branch Connections, Stub into Box Culvert
1350	603-SB029	(S)	1	Each	24" Branch Connections, Stub into Concrete Box Culvert Wingwall
1360	603-SB036	(S)	3	Each	30" Branch Connections, Stub into Box Culvert
1370	603-SB042	(S)	1	Each	36" Branch Connections, Stub into Concrete Box Culvert Wingwall
1380	603-SB046	(S)	1	Each	42" Branch Connections, Stub into Box Culvert
1390	603-SB053	(S)	1	Each	54" Branch Connections, Stub into Box Culvert
1400	604-A001		42,898	Pounds	Castings
1410	604-B001		26,105	Pounds	Gratings
1420	605-AA001	(S)	58,224	Square Yard	Geotextile for Subsurface Drainage, Type III
1430	605-O002	(S)	646	Linear Feet	4" Perforated Sewer Pipe for Underdrains, SDR 23.5
1440	605-P002	(S)	15	Linear Feet	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
1450	605-W001	(GY)	4,902	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
1460	606-B001		2,025	Linear Feet	Guard Rail, Class A, Type 1
1470	606-C003		5	Each	Guard Rail, Cable Anchor, Type 1
1480	606-D005		3	Each	Guard Rail, Bridge End Section, Type A
1490	606-D022		6	Each	Guard Rail, Bridge End Section, Type I
1500	606-E001		9	Each	Guard Rail, Terminal End Section
1510	606-E007		5	Each	Guard Rail, Terminal End Section, Non-Flared
1520	608-B001	(S)	185	Square Yard	Concrete Sidewalk, With Reinforcement
1530	609-B002	(S)	8,728	Linear Feet	Concrete Curb, Header
1540	609-D004	(S)	3,783	Linear Feet	Combination Concrete Curb and Gutter Type 2 Modified
1550	609-D012	(S)	113,978	Linear Feet	Combination Concrete Curb and Gutter Type 3A Modified
1560	612-B001		535	Cubic Yard	Flowable Fill, Non-Excavatable
1570	613-D003		8	Each	Adjustment of Inlet
1580	614-B001	(S)	22,021	Square Yard	Concrete Driveway, With Reinforcement
1590	615-A001	(S)	2,756	Linear Feet	Concrete Bridge End Barrier, 32"
1600	615-A002	(S)	312	Linear Feet	Concrete Bridge End Barrier, 33.5"
1610	615-A023	(S)	2,320	Linear Feet	Concrete Type IV Modified, 42" Height, Cast-in-Place Median Barrier
1620	616-A001	(S)	5,388	Square Yard	Concrete Median and/or Island Pavement, 10-inch
1630	616-A004	(S)	1,904	Square Yard	Concrete Median and/or Island Pavement, 4-inch
1640	617-A001		462	Each	Right-of-Way Marker
1650	617-B001		18	Each	Permanent Easement Marker
1660	618-A001		1	Lump Sum	Maintenance of Traffic

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1670	619-A1004		16	Mile	Temporary Traffic Stripe, Continuous White, Paint
1680	619-A2004		13	Mile	Temporary Traffic Stripe, Continuous Yellow, Paint
1690	619-A3003		31	Mile	Temporary Traffic Stripe, Skip White, Paint
1700	619-A4003		1,604	Linear Feet	Temporary Traffic Stripe, Skip Yellow, Paint
1710	619-A5002		181,557	Linear Feet	Temporary Traffic Stripe, Detail, Paint
1720	619-A6003		7,633	Square Feet	Temporary Traffic Stripe, Legend, Paint
1730	619-A6004		10,110	Linear Feet	Temporary Traffic Stripe, Legend, Paint
1740	619-C6001		11,444	Each	Red-Clear Reflective High Performance Raised Marker
1750	619-C7001		1,200	Each	Two-Way Yellow Reflective High Performance Raised Marker
1760	619-D1001		1,920	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
1770	619-D2001		2,319	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
1780	619-D3001		2	Each	Remove and Reset Signs, All Sizes
1790	619-D4001		118	Square Feet	Directional Signs
1800	619-E1001		1	Each	Flashing Arrow Panel, Type C
1810	619-E3001		20	Each	Changeable Message Sign (Radar Capable)
1820	619-F1001		92,823	Linear Feet	Concrete Median Barrier, Precast
1830	619-F2001		9,800	Linear Feet	Remove and Reset Concrete Median Barrier, Precast
1840	619-G4001		96	Linear Feet	Barricades, Type III, Double Faced
1850	619-G4003		72	Linear Feet	Barricades, Type III, Double Faced, Permanent, Red/White
1860	619-G4005		1,974	Linear Feet	Barricades, Type III, Single Faced
1870	619-G5001		5,224	Each	Free Standing Plastic Drums
1880	619-G7001		43	Each	Warning Lights, Type "B"
1890	619-H1001		1	Lump Sum	Traffic Signals
1900	619-J1003		47	Each	Impact Attenuator, 50 MPH
1910	619-J2003		47	Each	Impact Attenuator, 50 MPH, Replacement Package
1920	620-A001		1	Lump Sum	Mobilization
1930	622-A004		1	Each	Engineer's Field Office Building, Type 3
1940	626-A001		31	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
1950	626-B002		2	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
1960	626-C002		14	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
1970	626-D002		1,604	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1980	626-E001		3	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
1990	626-F001		10	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
2000	626-G004		135,560	Linear Feet	Thermoplastic Double Drop Detail Stripe, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2010	626-G005		47,422	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
2020	626-H001		7,671	Square Feet	Thermoplastic Double Drop Legend, White
2030	626-H002		10,770	Linear Feet	Thermoplastic Double Drop Legend, White
2040	627-K001		7,236	Each	Red-Clear Reflective High Performance Raised Markers
2050	627-L001		1,201	Each	Two-Way Yellow Reflective High Performance Raised Markers
2060	629-A004		5	Each	Vehicular Impact Attenuator, 60 MPH
2070	629-B001		5	Each	Median Barrier End Section
2080	630-A001		575	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
2090	630-A003		2,575	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
2100	630-B002		302	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
2110	630-C002		59	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
2120	630-C003		2,309	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
2130	630-D006		39	Linear Feet	Structural Steel Beams, W6 x 12
2140	630-D007		40	Linear Feet	Structural Steel Beams, W6 x 15
2150	630-D008		245	Linear Feet	Structural Steel Beams, W6 x 9
2160	630-E001		53	Pounds	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles
2170	630-E002		290	Pounds	Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles
2180	630-E004		2,275	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
2190	630-F001		2	Each	Delineators, Flexible Post Mounted, Crossover, Type I, Green
2200	630-F002		2	Each	Delineators, Flexible Post Mounted, Crossover, Type I, Yellow
2210	630-F006		61	Each	Delineators, Guard Rail, White
2220	630-F007		31	Each	Delineators, Guard Rail, Yellow
2230	630-G005		44	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
2240	630-G006		7	Each	Type 3 Object Markers, OM-3R or OM-3L, 2 Markers Per Post, Post Mounted
2250	630-G008		14	Each	Type 2 Object Markers, OM2-2
2260	630-I002		1	Lump Sum	Metal Overhead Sign Supports, Assembly No. 1 DMS-1
2270	630-I014		1	Lump Sum	Metal Overhead Sign Supports, Assembly No. 2 DMS-2
2280	630-I019		1	Lump Sum	Metal Overhead Sign Supports, Assembly No. 3 DMS-3
2290	630-K001		149	Linear Feet	Welded & Seamless Steel Pipe Posts, 3 1/2"
2300	630-K002		689	Linear Feet	Welded & Seamless Steel Pipe Posts, 3"
2310	630-K003		1,063	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
2320	632-A010		8	Each	Solid State Traffic Cabinet Assembly, Type IV Cabinet, Type 1 Controller
2330	633-A001		8	Each	Uninterruptable Power Supply

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2340	634-A036		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 100' Arm
2350	634-A038		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 30' Arm
2360	634-A039		2	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 35' Arm
2370	634-A041		3	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 45' Arm
2380	634-A042		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 50' Arm
2390	634-A044		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 60' Arm
2400	634-A045		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 65' Arm
2410	634-A046		2	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 70' Arm
2420	634-A047		6	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 75' Arm
2430	634-A048		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 80' Arm
2440	634-A049		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 85' Arm
2450	634-A051		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 95' Arm
2460	634-A172		1	Each	Traffic Signal Equipment Pole, Type III, 22' Shaft, 75' & 60' Arms
2470	634-A174		1	Each	Traffic Signal Equipment Pole, Type III, 40' Shaft, 80' & 40' Arms
2480	634-A195		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 40' Arm
2490	634-A200		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 65' Arm
2500	634-A201		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 70' Arm
2510	634-A202		2	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 75' Arm
2520	634-A203		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 80' Arm
2530	634-A205		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 90' Arm
2540	634-C005		150	Cubic Yard	Pole Foundations, Class "B" Concrete
2550	634-E001		4	Each	Camera Pole with Foundation, 50' Pole
2560	635-A059		78	Each	Traffic Signal Head, Type 1
2570	635-A061		25	Each	Traffic Signal Head, Type 2
2580	635-A065		12	Each	Traffic Signal Head, Type 2 FYA
2590	635-A070		7	Each	Traffic Signal Head, Type 3
2600	635-A076		2	Each	Traffic Signal Head, Type 6
2610	636-B015		7,526	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 4 Conductor
2620	636-B016		2,983	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor
2630	636-B018		9,448	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
2640	636-B028		568	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 2 Conductor
2650	636-B035		705	Linear Feet	Electric Cable, Underground in Conduit, THHN, AWG #1, 4 Conductor
2660	636-B054		2,080	Linear Feet	Electric Cable, Underground in Conduit, THHN, AWG #8, 3 Conductor
2670	637-A009		72	Each	Pull Box Enclosure, Type 2, Tier 22

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2680	637-A011		18	Each	Pull Box Enclosure, Type 3, Tier 22
2690	637-A013		77	Each	Pull Box Enclosure, Type 4, Tier 22
2700	637-A015		17	Each	Pull Box Enclosure, Type 5, Tier 22
2710	637-C009		800	Linear Feet	Traffic Signal Conduit, Underground, Rolled Pipe, 2"
2720	637-C028		5,485	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"
2730	637-C030		316	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
2740	637-D002		1,877	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
2750	637-D003		3,697	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
2760	637-F005		2,540	Linear Feet	Traffic Signal Conduit, Aerial Supported, Type 1, 2"
2770	637-G006		40	Linear Feet	Traffic Signal Conduit, Underground Encased in Concrete, Type 3, 2"
2780	637-H001		22,455	Linear Feet	Traffic Signal Conduit Bank, Underground, Rolled Pipe, 2 @ 2"
2790	637-H003		275	Linear Feet	Traffic Signal Conduit Bank, Underground, Rolled Pipe, 3 @ 2"
2800	637-I001		26,035	Linear Feet	Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 2 @ 2"
2810	637-I003		885	Linear Feet	Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 3 @ 2"
2820	638-A003		6	Each	Flashing Assembly, Be Prepared to Stop When Flashing
2830	639-A001		1	Each	Railroad Signal Preemption
2840	639-B001		32	Each	Optical Detector
2850	639-C001		8	Each	Multimode Phase Selector
2860	639-E001		8,622	Linear Feet	Optical Detector Cable
2870	640-B003		619	Linear Feet	Shielded Cable, AWG #14, 2 Conductor
2880	641-A002		32	Each	Signal Stop Bar Radar Detection, 1 Sensor, Type 2
2890	641-B002		16	Each	Signal Advanced Radar Detection, 1 Sensor, Type 2
2900	641-C001		16	Each	ITS Radar Detection, 1 Sensor
2910	641-D001		7,470	Linear Feet	Radar Detection Communication Cable
2920	646-C001		1	Each	LED Blank-Out Sign
2930	653-B003		321	Square Feet	Street Name Sign, Type III
2940	656-A001		3	Each	Dynamic Message Sign, Type 1
2950	660-A003		12	Each	Equipment Cabinet, Type B
2960	699-A001		1	Lump Sum	Roadway Construction Stakes
2970	804-B001	(S)	1,267	Cubic Yard	Box Bridge Concrete, Class B
2980	815-A007	(S)	5,371	Ton	Loose Riprap, Size 300
2990	815-B001	(S)	5,359	Square Yard	Grouted Riprap
3000	815-E001	(S)	14,698	Square Yard	Geotextile under Riprap

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
3010	815-F002	(S)	110	Ton	Sediment Control Stone
3020	907-250-A001		500	Pounds	Polyacrylamide (PAM)
3030	907-603-MK001	(S)	65	Linear Feet	12" Slotted Drain Pipe
3040	907-604-T001	(S)	40	Linear Feet	12" Trench Drain
3050	907-618-M1001		1	Lump Sum	Service Patrol
3060	907-619-S001		1,100	Linear Feet	Construction Safety Fence
3070	907-626-U002		32	Mile	4" Thermoplastic Traffic Stripe, Skip White, 40-mil min. TRAFFIC CONTROL
3080	907-626-V002		45	Mile	4" Thermoplastic Traffic Stripe, Continuous White, 40-mil min. TRAFFIC CONTROL
3090	907-626-X002		47	Mile	4" Thermoplastic Traffic Stripe, Continuous Yellow, 40-mil min. TRAFFIC CONTROL
3100	907-626-Y001		81,909	Linear Feet	Thermoplastic Detail Traffic Stripe, White, 4" Equivalent Length, 40-mil. min. TRAFFIC CONTROL
3110	907-626-Y003		1,442	Linear Feet	Thermoplastic Detail Traffic Stripe, Yellow, 4" Equivalent Length, 40-mil. min. TRAFFIC CONTROL
3120	907-626-Z001		19,409	Linear Feet	Thermoplastic Legend, White, 4" Equivalent Length, 40-mil. min. TRAFFIC CONTROL
3130	907-626-Z002		2,100	Square Feet	Thermoplastic Legend, White, 4" Equivalent Length, 40-mil. min. TRAFFIC CONTROL
3140	907-650-A002		36	Each	On Street Video Equipment, Fixed Type
3150	907-650-A003		12	Each	On Street Video Equipment, PTZ Type
3160	907-659-A001		1	Lump Sum	Traffic Management Center Modifications
3170	907-659-C001		1	Lump Sum	Traffic Management Center Modifications - Training
3180	907-661-A004		50,240	Linear Feet	Fiber Optic Cable, 72 SM
3190	907-661-B002		1,335	Linear Feet	Fiber Optic Drop Cable, 12 SM
3200	907-663-A001		8	Each	Network Switch, Type A
3210	907-663-A002		12	Each	Network Switch, Type B
3220	907-663-B001		7	Each	Terminal Server
3230	907-663-D001		805	Linear Feet	Category 6 Cable, Installed in Conduit
3240	907-899-A001		1	Lump Sum	Railway-Highway Provisions
3250	907-906001		1,040	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
3260	304-F001	(GT)	378,296	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
3270	304-F002	(GT)	378,296	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
3280	304-F003	(GT)	378,296	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
3290	605-W002	(GY)	7,843	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
ALTERNATE GROUP BB NUMBER 2					
3300	605-W003	(GY)	7,843	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
Bridge Items					
3310	202-B169		628	Linear Feet	Removal of Joint Material
3320	501-K001		5,966	Square Yard	Transverse Grooving
3330	803-B001		6	Each	Conventional Static Pile Load Test [\$5,000.00]
3340	803-C002	(S)	7,805	Linear Feet	14" x 14" Prestressed Concrete Piling
3350	803-C003	(S)	13,760	Linear Feet	16" x 16" Prestressed Concrete Piling
3360	803-D005	(S)	5,100	Linear Feet	HP 14 x 117 Steel Piling
3370	803-F008	(S)	3,109	Linear Feet	20" Pre-Formed Pile Hole
3380	803-I002	(S)	22	Each	PDA Test Pile, Concrete Pile
3390	803-I003	(S)	4	Each	PDA Test Pile, HP Steel Pile
3400	803-J001	(S)	12	Each	Pile Restrike
3410	804-A001	(S)	3,477	Cubic Yard	Bridge Concrete, Class AA
3420	804-C065	(S)	8,287	Linear Feet	40' Prestressed Concrete Beam, Type I+2
3430	804-C084	(S)	3,227	Linear Feet	60' Prestressed Concrete Beam, Type II+2
3440	805-A001	(S)	737,034	Pounds	Reinforcement
3450	808-A001	(S)	628	Linear Feet	Joint Preparation
3460	813-A001	(S)	3,046	Linear Feet	Concrete Railing
3470	815-A007	(S)	7,498	Ton	Loose Riprap, Size 300
3480	815-E001	(S)	10,756	Square Yard	Geotextile under Riprap
3490	907-823-A001		314	Linear Feet	Preformed Joint Seal, Type I
3500	907-823-B001		628	Linear Feet	Saw Cut, Type I
3510	907-824-PP006		60	Each	Bridge Repair, (Remove Existing Bearings & Install 1'-3"x9" Laminated Bearing Pads) Per Plans
3520	907-824-PP006		60	Each	Bridge Repair, (Remove Existing Bearings & Install 1'-7"x10" Laminated Bearing Pads) Per Plans

ADDENDUM

DESCRIPTION OF SHEET

PROTECTIVE DEVICE FOR RAILROAD SIGNAL
RIGHT-OF-WAY MARKER
BOX CULVERT BENDING DETAIL
CURB RAMPS - RAMP DESIGN ELEMENTS (SHEET 1 OF 4)
CURB RAMPS - PLACEMENT DETAILS (SHEET 2 OF 4)
CURB RAMPS - PLACEMENT DETAILS (SHEET 3 OF 4)
CURB RAMPS - DETECTABLE WARNING DETAILS (SHEET 4 OF 4)
SUPERELEVATION CASE 1 ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)
SUPERELEVATION TRANSITION ROTATION ABOUT CENTERLINE (URBAN FACILITY, V<45 MPH)
SUPERELEVATION RUNOFF CASE 1 ROTATION ABOUT CENTERLINE
SPECIAL DESIGN PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS
PAVEMENT MARKING DETAILS FOR 4-LANE AND 5-LANE UNDIVIDED ROADWAYS
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4 LANE: MEDIUM OR OUTSIDE LANE CLOSURE)
(EXTENDED PERIOD)
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
BREAKAWAY SIGN SUPPORTS
BREAKAWAY SIGN SUPPORTS
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS
DRIVEWAYS, CURB AND GUTTER AND SIDEWALK
DRIVEWAYS, INTEGRAL CURB AND SIDEWALK
SIGN DETAILS FOR TWO LANE & FOUR LANE BRIDGE APPROACHES
MISCELLANEOUS TYPICAL SECTION DETAILS
MISCELLANEOUS CONSTRUCTION DETAILS
DETAIL OF MILLING TRANSITION AND SAWING AND SEALING JOINTS
SPECIAL POST DESIGN - PREPARE TO STOP WHEN FLASHING ASSEMBLY (VERTICAL)
SLOTTED DRAIN DETAILS - TYPE 2
SPECIAL DESIGN DROP INLET AND GRATE DETAILS FOR B-9 INLETS (MODIFIED)
GUTTER INLET FOR TYPE 3A MOD. CURB STORM SEWER ALONG ROADWAY
STORM SEWER STRUCTURE TYPE SS-2 MODIFIED
SURVEY CONTROL POINTS
SURVEY CONTROL POINTS
CULVERT HYDRAULIC DESIGN SHEET
CULVERT HYDRAULIC DESIGN SHEET
CULVERT HYDRAULIC DESIGN SHEET
PRECAST CONCRETE BOX CULVERT
PRECAST CONCRETE BOX CULVERT SECTIONS

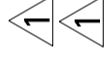
PERMANENT SIGNING SHEETS (54)

PERMANENT SIGNING - US HWY 49 B.O.P. 544+97 TO STA. 548+00
PERMANENT SIGNING - US HWY 49 STA. 548+00 TO STA. 560+00
PERMANENT SIGNING - US HWY 49 STA. 560+00 TO STA. 572+00
PERMANENT SIGNING - US HWY 49 STA. 572+00 TO STA. 584+00
PERMANENT SIGNING - US HWY 49 STA. 584+00 TO STA. 596+00
PERMANENT SIGNING - SR 469 STA. 34+00 TO STA. 41+00
PERMANENT SIGNING - US HWY 49 STA. 596+00 TO STA. 608+00
PERMANENT SIGNING - US HWY 49 STA. 608+00 TO STA. 620+00
PERMANENT SIGNING - US HWY 49 STA. 620+00 TO STA. 632+00
PERMANENT SIGNING - US HWY 49 STA. 632+00 TO STA. 643+00
PERMANENT SIGNING - US HWY 49 STA. 643+00 TO STA. 655+00
PERMANENT SIGNING - US HWY 49 STA. 655+00 TO STA. 667+00
PERMANENT SIGNING - US HWY 49 STA. 667+00 TO STA. 679+00
PERMANENT SIGNING - US HWY 49 STA. 679+00 TO STA. 691+00
PERMANENT SIGNING - US HWY 49 STA. 691+00 TO STA. 703+00
PERMANENT SIGNING - US HWY 49 STA. 703+00 TO STA. 715+00
PERMANENT SIGNING - US HWY 49 STA. 715+00 TO STA. 727+00
PERMANENT SIGNING - US HWY 49 STA. 727+00 TO STA. 739+00
PERMANENT SIGNING - US HWY 49 STA. 739+00 TO STA. 751+00
PERMANENT SIGNING - US HWY 49 STA. 751+00 TO STA. 763+00
PERMANENT SIGNING - US HWY 49 STA. 763+00 TO STA. 775+00
PERMANENT SIGNING - US HWY 49 STA. 775+00 TO STA. 787+00
PERMANENT SIGNING - US HWY 49 STA. 787+00 TO STA. 799+00
PERMANENT SIGNING - US HWY 49 STA. 799+00 TO STA. 811+00
PERMANENT SIGNING - CLEARY RD. / MONTEREY RD.
PERMANENT SIGNING - US HWY 49 STA. 811+00 TO STA. 823+00
PERMANENT SIGNING - US HWY 49 STA. 823+00 TO STA. 835+00
PERMANENT SIGNING - US HWY 49 STA. 835+00 TO STA. 847+00
PERMANENT SIGNING - US HWY 49 STA. 847+00 TO STA. 859+00
PERMANENT SIGNING - US HWY 49 STA. 859+00 TO STA. 871+00
PERMANENT SIGNING - US HWY 49 STA. 871+00 TO STA. 883+00
PERMANENT SIGNING - US HWY 49 STA. 883+00 TO STA. 895+00
PERMANENT SIGNING - US HWY 49 STA. 895+00 TO STA. 907+00
PERMANENT SIGNING - US HWY 49 STA. 907+00 TO STA. 919+00
PERMANENT SIGNING - US HWY 49 STA. 919+00 TO STA. 929+00

WKG. NO. SH. NO.

RRS-1 966
ROW-1 967
BOB-1 968
SDCCR-1 969
SDCCR-2 970
SDCCR-3 971
SDCCR-4 972
SDE-2A 973
SDE-2G 974
SDRO-1 975
SDPM-1 976
SDPM-2 977
SDTOP-3 978

SDTOP-10 979
SDSN-6B 980
SSD-4C 981
SDSN-8 982
SDSD-1 983
SDSD-2 984
BSD-1 985
MTSD 986
MCD-1 987
DMCS-1 988
RSP-19V 989
SDD-1 990
B-9MOD 991
GI-1AMOD 992
SS-2MOD 993
SC-1 994
SC-2 995
CHD-1 996
CHD-2 997
CHD-3 998
PBC-1 999
PBD-2 1000



DESCRIPTION OF SHEET

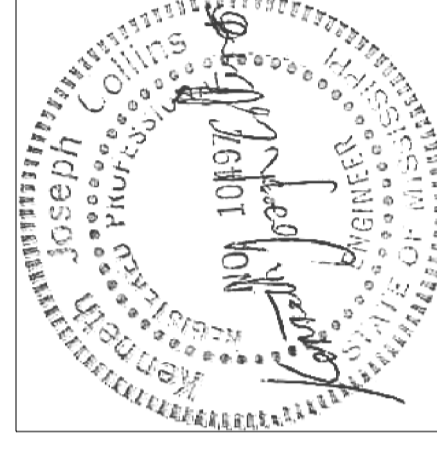
PERMANENT SIGNING - SW SERVICE RD. STA. 9+97.39 TO STA. 21+45.43
PERMANENT SIGNING - OLD HWY 49 STA. 4+00 TO STA. 4+00
PERMANENT SIGNING - US HWY 49 STA. 929+00 TO STA. 940+00
PERMANENT SIGNING - US HWY 49 STA. 940+00 TO STA. 951+00
PERMANENT SIGNING - US HWY 49 STA. 951+00 TO STA. 963+50
PERMANENT SIGNING DETAILS - SR 469 INTERSECTION
PERMANENT SIGNING DETAILS - CROSS PARK DRIVE
PERMANENT SIGNING DETAILS - GUNTER RD. & LOWE CIRCLE
PERMANENT SIGNING DETAILS - OLD PEARSON RD.
PERMANENT SIGNING DETAILS - SOUTH RANKIN INDUSTRIAL RD. & HIGH POINTE DRIVE
PERMANENT SIGNING DETAILS - E. HARPER ST/W. HARPER ST.
PERMANENT SIGNING DETAILS - MONTEREY RD./ CLEARY RD.
PERMANENT SIGNING DETAILS - PARKISON DRIVE
PERMANENT SIGNING DETAILS - LINDA JO DRIVE/QUINN DRIVE & McBRIDE ST.
PERMANENT SIGNING DETAILS - OLD HWY 49
PERMANENT SIGNING DETAILS - GUIDE SIGNS
PERMANENT SIGNING DETAILS - GUIDE SIGNS
PERMANENT SIGNING DETAILS - TRAFFIC SIGNAL SIGNS
PERMANENT SIGNING DETAILS - TRAFFIC SIGNAL SIGNS

TRAFFIC SIGNAL SHEETS (28)

GENERAL NOTES (TRAFFIC SIGNALS)
TRAFFIC SIGNAL PLAN - HWY 49 AT SR 469/E. MAIN ST
TRAFFIC SIGNAL PLAN - HWY 49 AT SR 469/E. MAIN ST
TRAFFIC SIGNAL PLAN - HWY 49 AT GUNTER RD
TRAFFIC SIGNAL PLAN - HWY 49 AT GUNTER RD
TRAFFIC SIGNAL PLAN - HWY 49 AT CLEARY RD. AND MONTEREY RD
TRAFFIC SIGNAL PLAN - HWY 49 AT CLEARY RD. AND MONTEREY RD
TRAFFIC SIGNAL PLAN - HWY 49 AT SCARBOROUGH ST/ WILSON DR
TRAFFIC SIGNAL PLAN - HWY 49 AT SCARBOROUGH ST/ WILSON DR
TRAFFIC SIGNAL PLAN - HWY 49 AT EAST HARPER ST/ WEST HARPER ST
TRAFFIC SIGNAL PLAN - HWY 49 AT EAST HARPER ST/ WEST HARPER ST
TRAFFIC SIGNAL PLAN - HWY 49 AT LOWE CIRCLE
TRAFFIC SIGNAL PLAN - HWY 49 AT LOWE CIRCLE
TRAFFIC SIGNAL PLAN - HWY 49 AT LINDA JO DRIVE / McBRIDE ST
TRAFFIC SIGNAL PLAN - HWY 49 AT LINDA JO DRIVE / McBRIDE ST
TRAFFIC SIGNAL PLAN - HWY 49 AT OLD US HWY 49
TRAFFIC SIGNAL PLAN - HWY 49 AT OLD US HWY 49
TRAFFIC SIGNAL STANDARDS - TRAFFIC SIGNAL GENERAL NOTES
TRAFFIC SIGNAL STANDARDS - DETAIL OF TRAFFIC SIGNAL HEADS AND TRAFFIC SIGNAL SIGNS
TRAFFIC SIGNAL STANDARDS - STRAIGHT MAST ARM AND PEDESTAL POLE DETAILS
TRAFFIC SIGNAL STANDARDS - SIGNAL POLE AND PEDESTAL POLE FOUNDATION DETAILS
TRAFFIC SIGNAL STANDARDS - PULL BOX AND CONDUIT TRENCHING DETAILS
TRAFFIC SIGNAL STANDARDS - CONTROLLER CABINET AND POWER SERVICE DETAILS
TRAFFIC SIGNAL STANDARDS - TRAFFIC SIGNAL GROUNDING DETAILS
TRAFFIC SIGNAL STANDARDS - TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)
TRAFFIC SIGNAL STANDARDS - STREET NAME SIGN DETAILS
TRAFFIC SIGNAL STANDARDS - SPAN WIRE DETAILS
TRAFFIC SIGNAL STANDARDS - TEMPORARY SIGNAL POLE DETAILS

DATE	BY
7/19/17	ADDED PCB-1 AND PCB-2
	REVISION
	KJC

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
COUNTY:	RANKIN
PROJ. NUM.:	NH-0008-03(029)
WORKING NUMBER	DI-9
SHEET NUMBER	10



Date: 05/04/17
(ROADWAY ONLY)

DESIGN TEAM: Michael Baker CHECKED: KJC DATE: 2017

STATE	PROJECT NO.
MISS.	NH-0008-03(029)

WKG. NO. SH. NO.

PSP-36 1036
PSP-37 1037
PSP-38 1038
PSP-39 1039
PSP-40 1040
PSD-1 1041
PSD-2 1042
PSD-3 1043
PSD-4 1044
PSD-5 1045
PSD-6 1046
PSD-7 1047
PSD-8 1048
PSD-9 1049
PSD-10 1050
PSD-11 1051
PSD-12 1052
PSD-13 1053
PSD-14 1054

GN-TS 2001
TSI-1 2002
TSI-1A 2003
TSI-2 2004
TSI-2A 2005
TSI-3 2006
TSI-3A 2007
TSI-4 2008
TSI-4A 2009
TSI-5 2010
TSI-5A 2011
TSI-6 2012
TSI-6A 2013
TSI-7 2014
TSI-7A 2015
TSI-8 2016
TSI-8A 2017
TSD-1 2018
TSD-2 2019
TSD-3S 2020
TSD-4 2021
TSD-5 2022
TSD-6 2023
TSD-8 2024
TSD-9 2025
TSD-11 2026
TSD-13 2027
TSD-14 2028

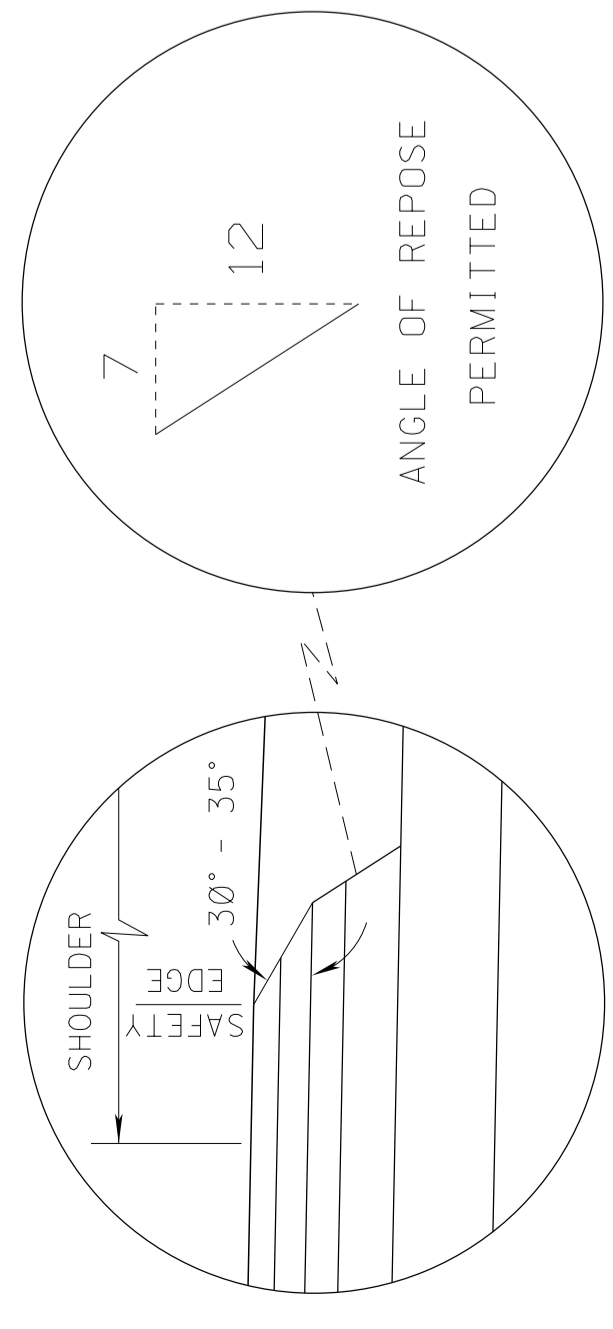
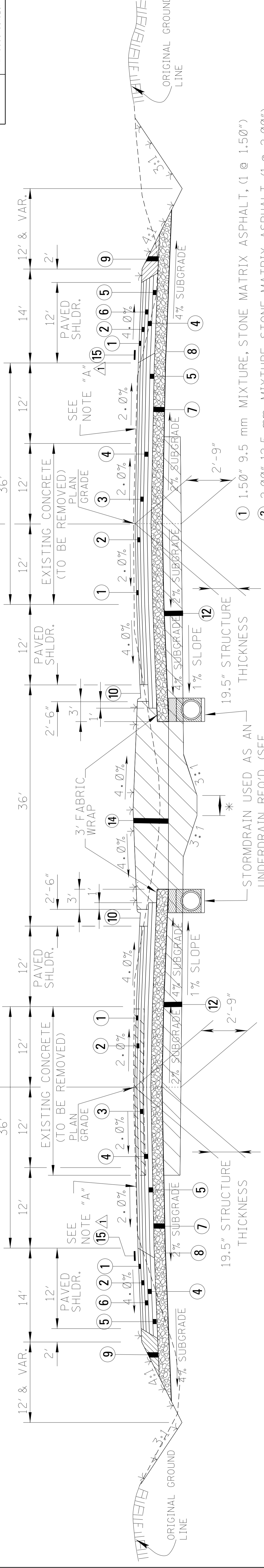
ADDENDUM

STATE PROJECT NO.
MISS. NH-0008-03(029)

FMS COM: 102046/301000

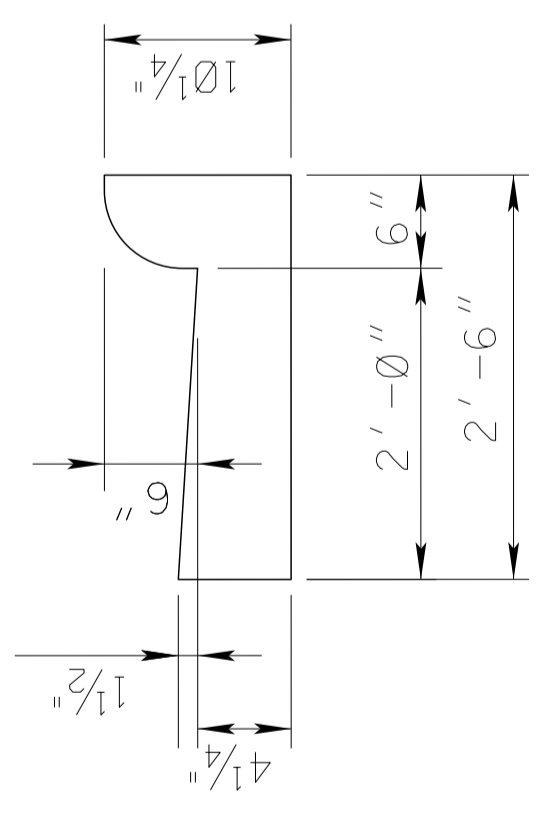
US 49 SB

US 49 NB



**TYPICAL SECTION
NEW CONSTRUCTION
STA. 935+35 TO STA. 944+16**

**SAFETY EDGE REQ'D
TOP 2 LIFTS ONLY
(NOT A PAY ITEM)
NEW CONSTRUCTION**



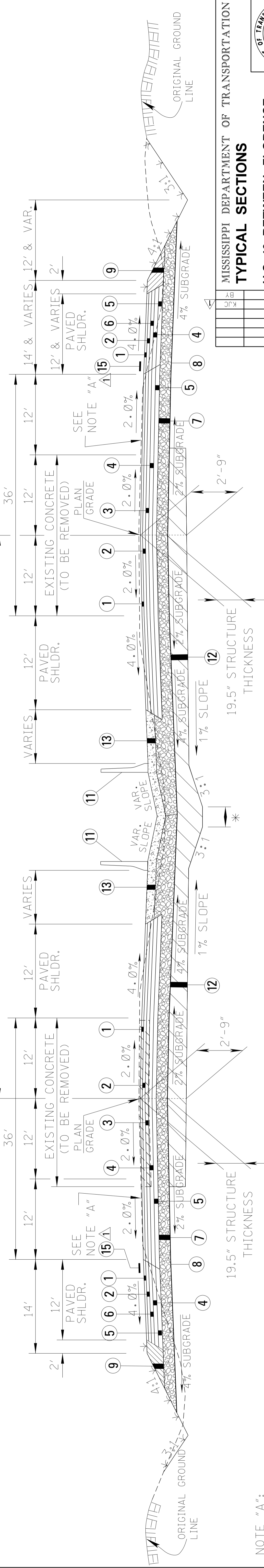
NOTE: SEE WK. SHT. NO. MTS-D FOR SHOULDER DETAILS WITHIN LIMITS OF GUARDRAIL.

** CONTRACTOR SHALL UNDERCUT TO A DEPTH OF 2'-9" BELOW PROPOSED P.G. AND REPLACE WITH B9-6 MATERIAL TO NEW SUBGRADE.

- 1 1.50" 9.5 mm MIXTURE, STONE MATRIX ASPHALT, (1 @ 1.50")
- 2 2.00" 12.5 mm MIXTURE, STONE MATRIX ASPHALT, (1 @ 2.00")
- 3 2.25" 19 mm MIXTURE, HT, ASPHALT PAVEMENT, POLYMER MODIFIED (1 @ 2.25")
- 4 2.75" 19 mm MIXTURE, HT, ASPHALT PAVEMENT, (1 @ 2.75")
- 5 3.00" 19 mm MIXTURE, ST, ASPHALT PAVEMENT, (1 @ 3.00")
- 6 2.25" 19 mm MIXTURE, HT, ASPHALT PAVEMENT, (1 @ 2.25")
- 7 8.00" CRUSHED STONE BASE
- 8 GEOTEXTILE FILTER FABRIC, TYPE V, NON-WOVEN
- 9 11.50" & VARIABLE DEPTH GRANULAR MATERIAL (CLASS 5, GROUP E)
- 10 TYPE 3A MODIFIED CURB & GUTTER
- 11 32" CONCRETE BRIDGE END BARRIER
- 12 REMOVAL OF EXISTING BASE/SUBBASE BELOW EXISTING CONCRETE PAVEMENT & SOIL CEMENT (TO BE PAID FOR AS EXCESS EXCAVATION)
- 13 6.00" REINFORCED CEMENT CONCRETE PAVEMENT
- 14 BORROW B9-6 OR UNCLASSIFIED MATERIAL
- 15 RUMBLE STRIP

US 49 SB

US 49 NB



NOTE "A": UNSUITABLE MATERIAL ENCOUNTERED UNDER THE EXISTING SHOULDERS AS DETERMINED BY THE ENGINEER SHALL BE REMOVED AND PAID FOR AS EXCESS EXCAVATION.

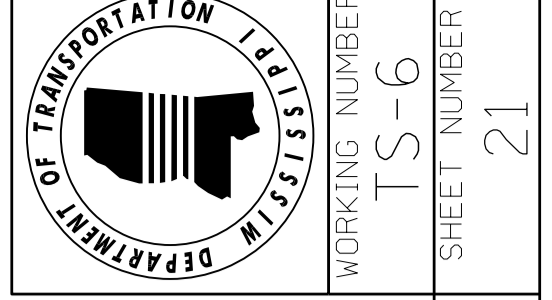
INDICATES AREA REQUIRING EROSION CONTROL TREATMENT. (SEE WK SHEET NO. VS-1 FOR MORE INFORMATION.)

**TYPICAL SECTION
NEW CONSTRUCTION
STA. 944+16 TO STA. 946+20.00 (BRIDGE "C")**

* 3' FLAT BOTTOM DITCH FOR PHASE 3 OF TRAFFIC CONTROL DRAINAGE. SEE SHT. NOS. TCD-1 THRU TCD-14 FOR DETAILS.

REV	DESCRIPTION	DATE
7/19/17	ADDED RUMBLE STRIPS	
4/16	REVISION	
KJC	BY	
	CHK	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
U.S. 49 BETWEEN FLORENCE AND INTERSTATE 20
STA. 935+35 TO STA. 946+20
COUNTY: RANKIN
PROJ. NUM.: NH-0008-03(029)
WORKING NUMBER TS-6
SHEET NUMBER 21
FILENAME: TS-6.DGN
DESIGN TEAM: Michael Baker CHECKED: KJC DATE: 2016



ADDENDUM

STATE	PROJECT NO.
MISS	NH-0008-03(029)

SUMMARY OF QUANTITIES (SHEET 1)


PAY ITEM NO.	PAY ITEM	UNIT	RANKIN : 102046-301000	
			Prelim	Final
201-A001	Clearing and Grubbing	LS	1	
202-A001	Removal of Obstructions	LS	1	
202-B007	Removal of Asphalt Pavement, All Depths	SY	276,689	
202-B018	Removal of Box Culvert	EA	5	
202-B023	Removal of Bridge	EA	4	
202-B029	Removal of Bridge End Pavement	SY	660	
202-B037	Removal of Bridge Railing	LF	1,360	
202-B042	Removal of Camera Pole	EA	1	
202-B058	Removal of Concrete Lug Anchor	EA	33	
202-B059	Removal of Concrete Median & Island Pavement, All Depths	SY	2,611	
202-B063	Removal of Concrete Paved Ditch	SY	216	
202-B073	Removal of Concrete Pavement, All Depths	SY	232,356	
202-B080	Removal of Concrete Sidewalk	SY	105	
202-B092	Removal of Curb, All Types	LF	68,916	
202-B129	Removal of Flared End Section, All Sizes	EA	49	
202-B130	Removal of Footing	EA	44	
202-B158	Removal of Guard Rail, Including Rails, Posts and Terminal Ends	LF	3,324	
202-B165	Removal of Inlets, All Sizes	EA	62	
202-B170	Removal of Junction Box	EA	20	
202-B185	Removal of Overhead Sign Including Panels, Truss, Supports & Footing	EA	1	
202-B190	Removal of Piling	EA	9	
202-B191	Removal of Pipe, 8" And Above	LF	16,664	
202-B207	Removal of Riprap	TON	500	
202-B213	Removal of Sign	EA	3	
202-B226	Removal of Soil Cement Treated Base, All Depths	SY	129,197	
202-B239	Removal of Traffic Signal	EA	6	
202-B240	Removal of Traffic Stripe	LF	251,424	
202-B250	Removal of Trench Drain, All Sizes, All Types	LF	40	
203-A001	Unclassified Excavation, FM, AH	CY	205,904	
203-EX021	Borrow Excavation, AH, FME, Class B9-6	CY	226,725	
203-F001	Channel Excavation, FM	CY	7,434	
203-G001	Excess Excavation, FM, AH	CY	331,970	
206-A001	Structure Excavation	CY	41,406	
206-B001	Select Material for Undercuts, Contractor Furnished, FM	CY	737	
209-A005	Geotextile Stabilization, Type V, Non-Woven	SY	768,774	
211-B001	Topsoil for Slope Treatment, Contractor Furnished	CY	5,000	
213-C001	Superphosphate	TON	42	
216-A001	Solid Sodding	SY	10,929	
217-A001	Ditch Liner	SY	2,355	
219-A001	Watering	KGAL	220	
220-A001	Insect Pest Control	ACRE	84	
221-A001	Concrete Paved Ditch	CY	4,385	

- ① BRIDGE OVER INDIAN CREEK STA. 578+52 (LT) 5 @ 30' CONCRETE HOLLOW SLAB SPANS (RT) 5 @ 30' CONCRETE HOLLOW SLAB SPANS
BRIDGE OVER SQUIRREL BRANCH STA. 912+44 (LT) 5 @ 30' CONCRETE HOLLOW SLAB SPANS (RT) 5 @ 30' CONCRETE HOLLOW SLAB SPANS
REFER TO BRIDGE PLANS FOR EXISTING BRIDGE INFORMATION. EXISTING BRIDGES AND APPURTENANCES TO BECOME THE PROPERTY OF THE CONTRACTOR. INCLUDES REMOVAL OF PILE CAPS, FOOTINGS, AND PILING THAT CONFLICT WITH NEW ROADWAY AND BRIDGE CONSTRUCTION.
- ② INCLUDES 12,611 S.Y. OF BURIED CONCRETE PAVEMENT, 47,070 S.Y. OF CONTINUOUS REINFORCED PAVEMENT AND 7,181 S.Y. OF CONCRETE DRIVEWAYS.
- ③ 2 OVERHEAD TRAFFIC SIGNAL WARNING SIGNS AT SR 469. 1 OVERHEAD TRAFFIC SIGNAL WARNING SIGN AT MONTEREY RD. INCLUDES POLES, SPAN WIRES AND ANY OTHER APPURTENANCES. INCLUDES 21,756 S.Y. OF LIME BASE.
- ④ ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER.
- ⑤ QUANTITY INCLUDES 33,666 C.Y. FOR PIPES, 2,882 C.Y. FOR BOX CULVERTS, 1,810 C.Y. FOR PRECAST BOXES, 2,656 C.Y. FOR BOX BRIDGES AND 392 C.Y. FOR SPECIAL JUNCTION BOXES.
- ⑦ INCLUDES TERMINAL SECTIONS, BRIDGE END SECTIONS, FOOTINGS AND OTHER APPURTENANCES.
- ⑧ INCLUDES THE REMOVAL OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND NEW TEMPORARY TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION OF SR 469, CLEARLY, SCARBROUGH, HARPER, McBRIDE AND OLD HWY 49. THE SALVAGED SIGNAL EQUIPMENT IS TO BE DELIVERED TO MDOT'S TRAFFIC ENGINEERING SIGNAL SHOP AS NOTED IN THE PLANS.
- ⑨ INCLUDES 68 C.Y. FOR PAVED APRONS, 25 C.Y. FOR PAVED FLUMES AND 3 C.Y. FOR EDGE DRAIN OUTLETS.
- ⑩ ESTIMATED QUANTITY CONTRACTOR FURNISHED MATERIAL SHALL NOT BE USE UNTIL ALL STOCKPILED TOPSOIL IS EXHAUSTED.
- ⑪ INCLUDES 120,600 S.Y. OF ASPHALT SHOULDERS & 13,046 S.Y. OF ASPHALT DRIVEWAYS.
- ⑫ FOOTINGS FOR LOW MAST LIGHTING POLES. POLES HAVE BEEN REMOVED PRIOR TO THIS PROJECT.
- ⑬ INCLUDES ANY EXISTING FENCING
- ⑭ QUANTITY INCLUDES 210 C.Y. FOR BOX CULVERTS, 213 C.Y. FOR PRECAST BOXES, 276 C.Y. FOR BOX BRIDGES AND 38 C.Y. FOR SPECIAL JUNCTION BOXES.
- ⑮ FOR ITS SIGN REMOVAL. DMS SIGN AT STA. 887+00
- ⑯ INCLUDES 1,200 S.Y. AT PAVED APRONS
- ⑰ ESTIMATED QUANTITY INCLUDES 40,000 C.Y. FOR REMOVAL OF UNSUITABLE MATERIAL FROM EXISTING DITCHES AND CUT SECTIONS AND 30,000 C.Y. FOR REMOVAL OF UNSUITABLE MATERIAL UNDER EXISTING OUTSIDE SHOULDERS.



WE	ADDED FOOTNOTE	07/19/2017	REVISOR
WE	QUANTITIES AND REVISED	06/16/2017	ADDED
BY	Revision	Date	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES



Proj No: NH-0008-03(029)
 County: RANKIN

Design Team: Michael Baker
 Checked: KJC
 Date: 2017

Working Number: SQ-1
 Sheet Number: 59

FILENAME : SQS-1

ADDENDUM

STATE	PROJECT NO.
MISS	NH-0008-03(029)

SUMMARY OF QUANTITIES (SHEET 3)

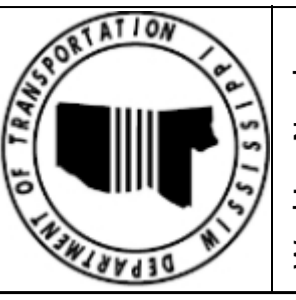
PAY ITEM NO.	PAY ITEM	UNIT	RANKIN : 102046-301000	
			Prelim	Final
413-E001	Sawing and Sealing Transverse Joints in Asphalt Pavement	LF	310	
423-A001	Rumble Strips, Ground In	MI	4	
501-A001	6" Reinforced Cement Concrete Pavement, Broom Finish	SY	2,850	
501-E001	Expansion Joints, Without Dowels	LF	267	
501-K001	Transverse Grooving	SY	533	
502-A001	Reinforced Cement Concrete Bridge End Pavement	SY	2,316	
503-C010	Saw Cut, Full Depth	LF	48,047	
601-A001	Class "B" Structural Concrete	CY	1,064	
601-B001	Class "B" Structural Concrete, Minor Structures	CY	1,736	
602-A001	Reinforcing Steel	LBS	562,562	
603-A045	24" Steel Pipe, Jacked or Bored	LF	1,400	
603-A046	30" Steel Pipe, Jacked or Bored	LF	512	
603-A047	36" Steel Pipe, Jacked or Bored	LF	1,046	
603-A048	42" Steel Pipe, Jacked or Bored	LF	784	
603-A049	48" Steel Pipe, Jacked or Bored	LF	304	
603-ALT003	18" Type A Alternate Pipe	LF	784	
603-ALT006	24" Type A Alternate Pipe	LF	40	
603-CA011	18" Reinforced Concrete Pipe, Class III	LF	23,864	
603-CA026	24" Reinforced Concrete Pipe, Class III	LF	9,932	
603-CA040	30" Reinforced Concrete Pipe, Class III	LF	6,600	
603-CA055	36" Reinforced Concrete Pipe, Class III	LF	4,032	
603-CA066	42" Reinforced Concrete Pipe, Class III	LF	2,952	
603-CA076	48" Reinforced Concrete Pipe, Class III	LF	944	
603-CA087	54" Reinforced Concrete Pipe, Class III	LF	2,032	
603-CB003	18" Reinforced Concrete End Section	EA	150	
603-CB004	24" Reinforced Concrete End Section	EA	33	
603-CB005	30" Reinforced Concrete End Section	EA	14	
603-CB006	36" Reinforced Concrete End Section	EA	24	
603-CB007	42" Reinforced Concrete End Section	EA	4	
603-CB008	48" Reinforced Concrete End Section	EA	4	
603-CB009	54" Reinforced Concrete End Section	EA	4	
603-CE002	22" x 13" Concrete Arch Pipe, Class A III	LF	584	
603-CE008	29" x 18" Concrete Arch Pipe, Class A III	LF	440	
603-CE013	36" x 23" Concrete Arch Pipe, Class A III	LF	344	
603-CE018	44" x 27" Concrete Arch Pipe, Class A III	LF	1,304	
603-CE023	51" x 31" Concrete Arch Pipe, Class A III	LF	1,120	
603-CE028	58" x 36" Concrete Arch Pipe, Class A III	LF	816	
603-CE034	65" x 40" Concrete Arch Pipe, Class A III	LF	584	
603-CE039	73" x 45" Concrete Arch Pipe, Class A III	LF	1,088	
603-CE044	88" x 54" Concrete Arch Pipe, Class A III	LF	48	
603-CF002	22" x 13" Concrete Arch Pipe End Section	EA	10	
603-CF003	29" x 18" Concrete Arch Pipe End Section	EA	3	
603-CF004	36" x 23" Concrete Arch Pipe End Section	EA	7	

- ① ESTIMATED QUANTITY. ACTUAL QUANTITY TO BE DETERMINED AS DIRECTED BY THE ENGINEER. SEE SHEET NO. DMCS-1.
- ② QUANTITY SHOWN FOR BRIDGE END PAVEMENT AT BRIDGE "C".
- ③ QUANTITY INCLUDES 1,599 C.Y. FOR DRAINAGE STRUCTURES, 94 C.Y. FOR JUNCTION BOXES, 26 C.Y. FOR SIGN FOOTINGS AND 17 C.Y. FOR F.E.S.'S OF SIDE DRAINS.
- ④ QUANTITY INCLUDES 144,611 LBS. FOR DRAINAGE STRUCTURES, 59,944 LBS. FOR JUNCTION BOXES, 143,131 LBS. FOR BOX CULVERTS, 213,424 LBS. FOR BOX BRIDGES AND 646 LBS. FOR SIGN FOOTINGS & 806 LBS. FOR HEADWALL (HW3100).
- ⑤ REINFORCED CONCRETE PIPE. CLASS III OR CORRUGATED POLYETHYLENE PIPE OR PVC.
- ⑥ QUANTITY INCLUDES RCP PIPES USED FOR SIDE DRAINS. SEE SHEET NOS. EQ-45 & EQ-46.
- ⑦ QUANTITY INCLUDES 179 C.Y. FOR SPECIAL JUNCTION BOXES (DWG. F1 - F9 & G1 - G25), 10 C.Y. FOR HEADWALL (HW3100) AND 875 C.Y. FOR BOX CULVERTS.

① ①
② ②
③ ③
④ ④
⑤ ⑤
⑥ ⑥
⑦ ⑦

WE	ADDED PAY ITEMS AND REVISED QUANTITIES	06/16/2017
WE	REVISED QUANTITIES AND ADDED FOOTNOTE	07/19/2017
BY	Revision	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES



Proj No: NH-0008-03(029)
 County: RANKIN

Design Team: Michael Baker
 Checked: KJC
 Date: 2017

Working Number: SQ-3
 Sheet Number: 61

FILENAME : SQS-1

ADDENDUM

STATE	PROJECT NO.
MISS	NH-0008-03(029)

SUMMARY OF QUANTITIES (SHEET 5)

PAY ITEM NO.	PAY ITEM	UNIT	RANKIN : 102046-301000	
			Prelim	Final
614-B001	Concrete Driveway, With Reinforcement	SY	22,021	
615-A001	Concrete Bridge End Barrier, 32"	LF	2,756	
615-A002	Concrete Bridge End Barrier, 33.5"	LF	312	
615-A023	Concrete Type IV Modified, 42" Height, Cast-in-Place Median Barrier	LF	2,320	
616-A001	Concrete Median and/or Island Pavement, 10-inch	SY	5,388	
616-A004	Concrete Median and/or Island Pavement, 4-inch	SY	1,904	
617-A001	Right-of-Way Marker	EA	462	
617-B001	Permanent Easement Marker	EA	18	
618-A001	Maintenance of Traffic	LS	1	
907-618-M1001	Service Patrol	LS	1	
619-A1004	Temporary Traffic Stripe, Continuous White, Paint	MI	16	
619-A2004	Temporary Traffic Stripe, Continuous Yellow, Paint	MI	13	
619-A3003	Temporary Traffic Stripe, Skip White, Paint	MI	31	
619-A4003	Temporary Traffic Stripe, Skip Yellow, Paint	LF	1,604	
619-A5002	Temporary Traffic Stripe, Detail, Paint	LF	181,557	
619-A6003	Temporary Traffic Stripe, Legend, Paint	SF	7,633	
619-A6004	Temporary Traffic Stripe, Legend, Paint	LF	10,110	
619-C6001	Red-Clear Reflective High Performance Raised Marker	EA	11,444	
619-C7001	Two-Way Yellow Reflective High Performance Raised Marker	EA	1,200	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	1,920	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	2,319	
619-D3001	Remove and Reset Signs, All Sizes	EA	2	③
619-D4001	Directional Signs	SF	118	
619-E1001	Flashing Arrow Panel, Type C	EA	1	
619-E3001	Changeable Message Sign (Radar Capable)	EA	20	④ ②
619-F1001	Concrete Median Barrier, Precast	LF	92,823	
619-F2001	Remove and Reset Concrete Median Barrier, Precast	LF	9,800	
619-G4001	Barricades, Type III, Double Faced	LF	96	
619-G4003	Barricades, Type III, Double Faced, Permanent, Red/White	LF	72	
619-G4005	Barricades, Type III, Single Faced	LF	1,974	
619-G5001	Free Standing Plastic Drums	EA	5,224	
619-G7001	Warning Lights, Type "B"	EA	43	
619-H1001	Traffic Signals	LS	1	①
619-J1003	Impact Attenuator, 50 MPH	EA	47	
619-J2003	Impact Attenuator, 50 MPH, Replacement Package	EA	47	
907-619-S001	Construction Safety Fence	LF	1,100	② ①
620-A001	Mobilization	LS	1	
622-A004	Engineer's Field Office Building, Type 3	EA	1	
626-A001	6" Thermoplastic Double Drop Traffic Stripe, Skip White	MI	31	
626-B002	6" Thermoplastic Double Drop Traffic Stripe, Continuous White	MI	2	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	14	
626-D002	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow	LF	1,604	
626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	3	

- ① THIS LUMP SUM PAY ITEM INCLUDES SEVEN (7) TEMPORARY TRAFFIC SIGNALS. THESE SIGNALS ARE REQUIRED AT THE INTERSECTIONS OF SR 469, CLEARY & RICHLAND CIRCLE, CLEARY & MONTEREY ROAD, SCARBROUGH & WILSON DRIVE, HARPER STREET, MCBRIDE STREET, AND OLD HWY 49. SEE SHEETS TTS-1 THRU TTS-19. ALL SIGNAL EQUIPMENT USED FOR TEMPORARY SIGNALS SHALL BE NEW. THE RADAR DETECTION SHALL BE IN ACCORDANCE WITH PAY ITEM 641-A002 AND 641-B002. NEW TRAFFIC SIGNAL CABINETS FOR TEMPORARY SIGNALS SHALL BE POLE MOUNTED AND INCLUDE A 12 LOAD BAY FACILITY.
- ② ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER.
- ③ REMOVE AND RESET "PREPARE TO STOP" SIGN AT US49 SOUTHBOUND STA. 544+97 DURING CONSTRUCTION OF PROJECT. COST OF REWIRE CONNECTION TO SIGN TO BE INCLUDED.
- ④ TO BE USED AT LOCATIONS AS REQUIRED ELSEWHERE WITHIN THE PLANS AND CONTRACT AND AT OTHER ADDITIONAL LOCATIONS AS DIRECTED BY THE ENGINEER.



By	Revision	Date
WE	ADDED FOOTNOTE	07/19/2017
WE	REVISED QUANTITIES AND Quantities	06/16/2017

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

Proj No: NH-0008-03(029)
 County: RANKIN

Design Team: Michael Baker Checked: KJC Date: 2022

Working Number: SQ-5
 Sheet Number: 63

FILENAME : SQS-1

ADDENDUM

STATE PROJECT NO.
MISS. NH-0008-03(029)

FMS COM: 102046/301000

REMOVAL ITEMS - CONCRETE

WK. SH. NO.	STATION TO STATION	BURIED PAVEMENT	PAVEMENT	CONT. REINFORCED	PAVED DITCH	MEDIAN & ISLAND	DRIVEWAYS	SIDEWALK	LUG ANCHORS	BRIDGE	BRIDGE END PAVEMENT	CURB & GUTTER	GUARD RAIL	PIPES	FLARED END SECTIONS	INLETS	* WING WALLS	REMARKS
3	551+00	1556	1867	1867					3			1067	400	28				
4	558+00	3333	4000	4000										218			2	
5	573+00	1222	3600	3600			360		10	2	220	529	800	475	6	6		
6	588+00		4000	4000		1193						2221		350	6		2	
7	603+00		4397	3470			274					350		296				
8	618+00		8000				281		4			845		1137	1	2	2	
9	633+00		7637				155					2033		430	3	2	2	
10	647+00		7909			6	63					1612		447				
11	661+00	3222	8000									3412		262	2			
12	676+00	1278	8000				97					3437		555	2	1	1	
13	691+00		8000				76							496				
13A	30+00																	
14	706+00		8000									2825		421	2		2	
15	721+00		5763				215					2095		561	2			
15A	25+00													80				
16	736+00		5061	2933			161		4			4382		515	6		2	
17	751+00		4000	4000			374					2972		504				
18	766+00		4000	4000	8	14	210		4			4971		531	2	4		
19	781+00		4000	4000		8	228		4			512		263	2			
20	796+00		4000	4000	14	158						4745		559	2	2	4	
21	811+00		3733	3733		219						2459						
22	825+00		7200	800	6	806	1214	105	4			8261		1331	4	7	2	
22A	25+00																	
23	840+00		4267	3733	188	85	1114					6980	344	1487	4	4		
23D	25+00						230											
24	855+00		8000			15	632					4707		1075	1	4		
24A	25+00																	
25	870+00		8025			32						1789		786	2	2		
26	885+00		8161			29	648					3587	185	3054	2	26		
27	899+00	2000	5654	1333		46	789			2	220	2271	440	803	3	1		
28	916+00		9413				60					58			1	1		
28E			700															
29	929+00		7896									796						
30	944+00		2211	1600							220		780					
31	958+00												375					
UNITS TOTALS		12611	165494	47070	216	2611	7181	105	33	4	660	68916	3324	16664	49	62	19	

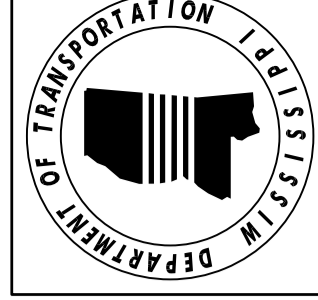
* REMOVAL OF WINGWALL AND HEADWALL IS AN ABSORBED ITEM.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ESTIMATED QUANTITIES

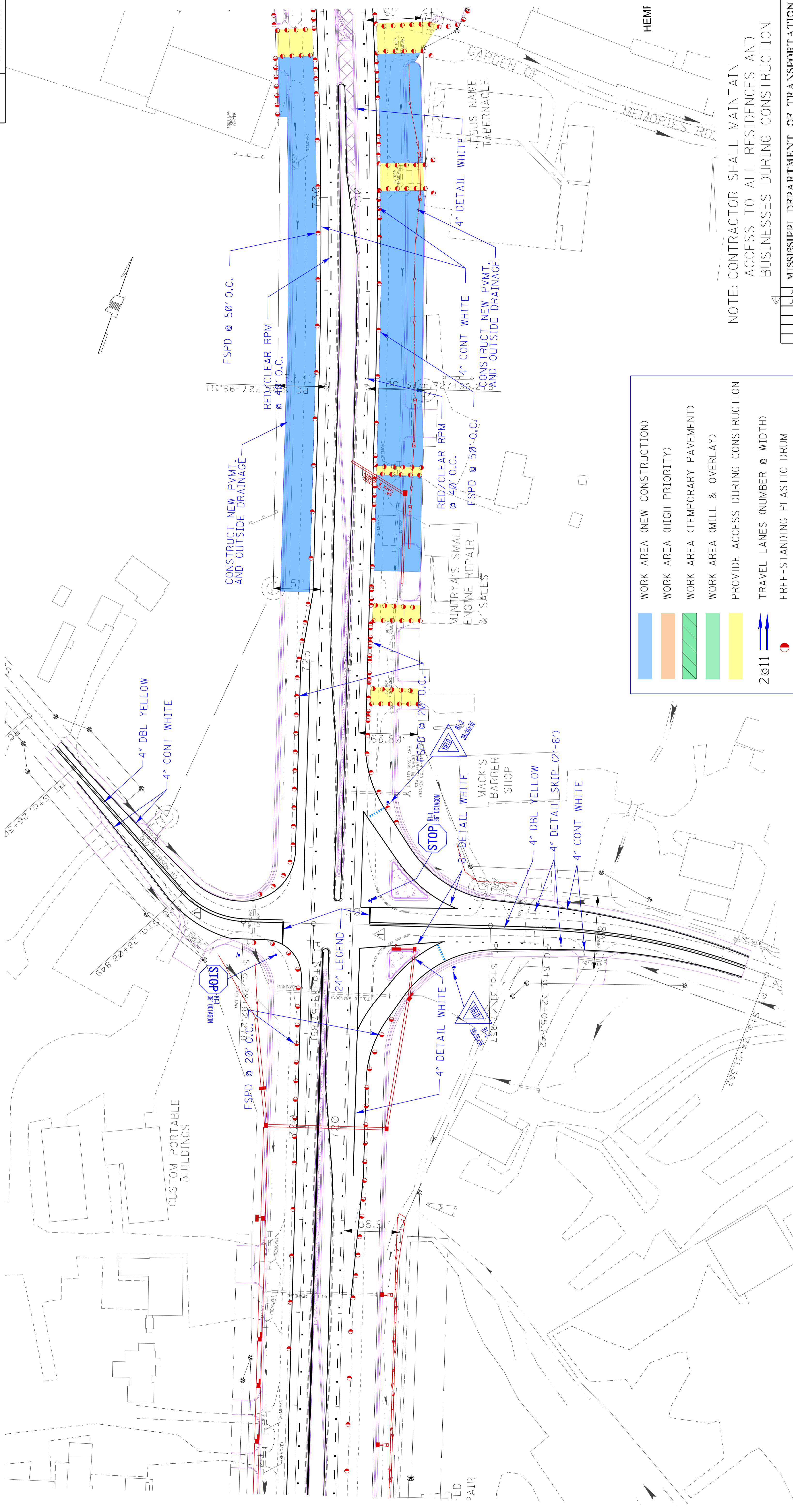
**US 49 FROM FLORENCE TO SCALE AREA
REMOVAL ITEMS - CONCRETE**

COUNTY: RANKIN
PROJ. NUM.: NH-0008-03(029)
FILENAME: EQ-27 REMOVAL ITEMS.DGN
DESIGN: TEAM Michael Baker CHECKED: KJC DATE: 2016

WORKING NUMBER
EQ-27
SHEET NUMBER
93



7/19/17
DATE
7/19/17
DATE
7/19/17
DATE



LEGEND

- WORK AREA (NEW CONSTRUCTION)
- WORK AREA (HIGH PRIORITY)
- WORK AREA (TEMPORARY PAVEMENT)
- WORK AREA (MILL & OVERLAY)
- PROVIDE ACCESS DURING CONSTRUCTION
- TRAVEL LANES (NUMBER @ WIDTH)
- FREE-STANDING PLASTIC DRUM
- PRECAST CONCRETE BARRIER (PCCTB)

NOTE: CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION

DATE	BY	REVISION
7/19/17	KJC	REVISED PAVEMENT MARKINGS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL PLANS
PHASE 2B

COUNTY: RANKIN
 PROJ. NUM.: NH-0008-03(029)
 FILENAME: PHASE_2-SHEETS.DGN
 DESIGN TEAM: Michael Baker CHECKED: KJC DATE: 2017

WORKING NUMBER: TC2B-13
 SHEET NUMBER: 542



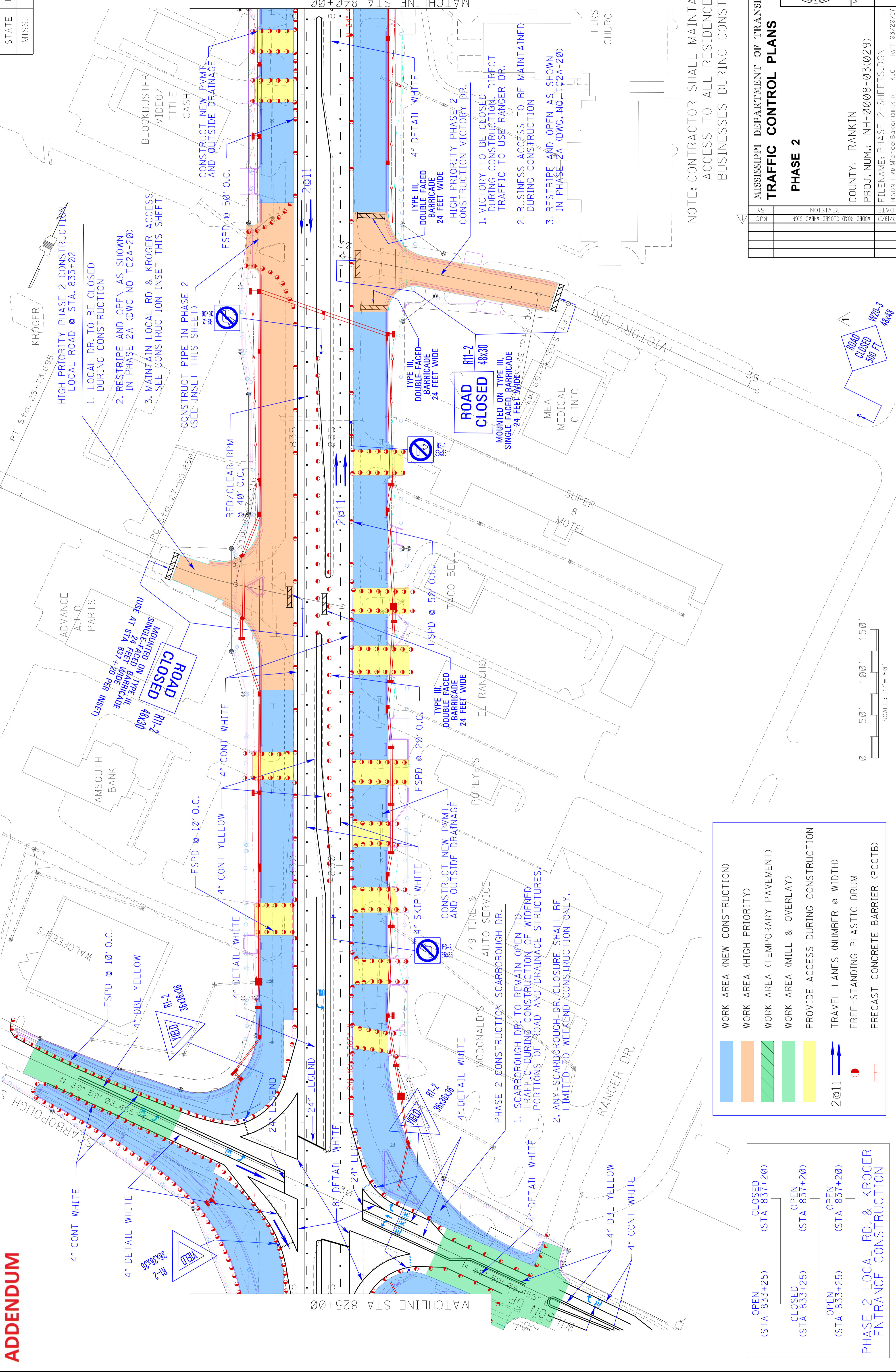
0 50' 100' 150'
 SCALE: 1" = 50'

0 50' 100' 150'
 SCALE: 1" = 50'

0 50' 100' 150'
 SCALE: 1" = 50'

PROJECT NO.	NH-0008-03(029)
STATE	MISS.

ADDENDUM



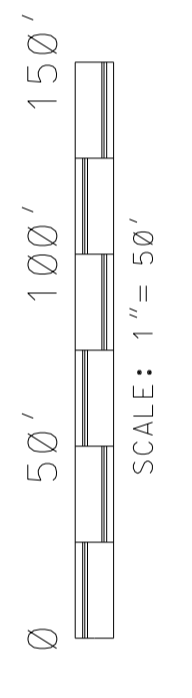
OPEN (STA 833+25) — CLOSED (STA 837+20)

CLOSED (STA 833+25) — OPEN (STA 837+20)

OPEN (STA 833+25) — OPEN (STA 837+20)

PHASE 2 LOCAL RD. & KROGER ENTRANCE CONSTRUCTION

- WORK AREA (NEW CONSTRUCTION)
- WORK AREA (HIGH PRIORITY)
- WORK AREA (TEMPORARY PAVEMENT)
- WORK AREA (MILL & OVERLAY)
- PROVIDE ACCESS DURING CONSTRUCTION
- TRAVEL LANES (NUMBER @ WIDTH)
- FREE-STANDING PLASTIC DRUM
- PRECAST CONCRETE BARRIER (PCCTB)



DATE	BY	REVISION
7/19/17	KJC	ADDED ROAD CLOSED AHEAD SIGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

PHASE 2

COUNTY: RANKIN

PROJECT NUMBER: NH-0008-03(029)

WORKING NUMBER: TC2-20

FILENAME: PHASE 2-SHEETS.DGN

SHEET NUMBER: 555

DESIGN: TEAM Michael Baker CHECKED: KJC DATE: 03/20/17

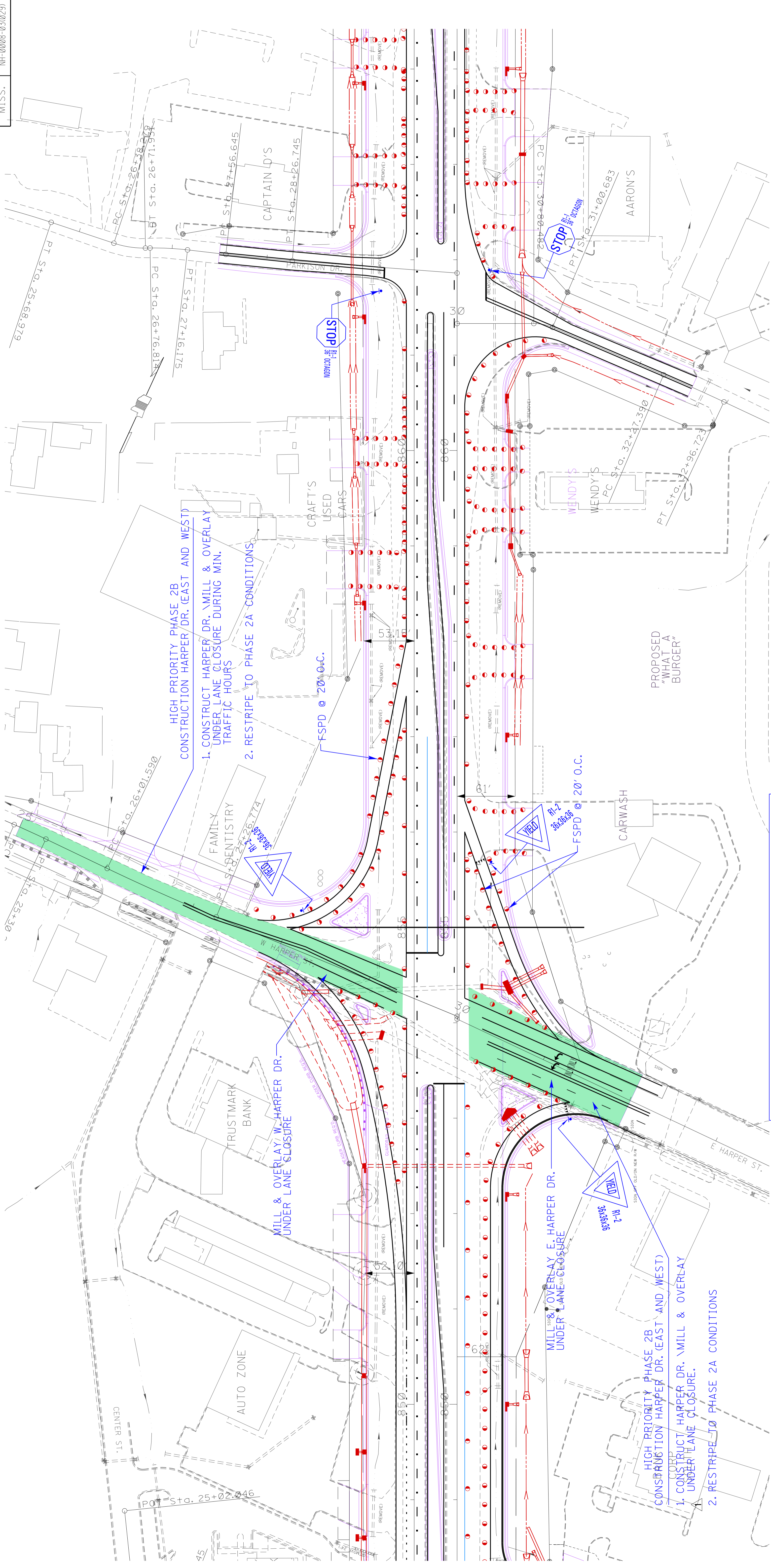
NOTE: CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION

- ROAD CLOSED**
- 48x30
- RI-2
- DOUBLE-FACED BARRICADE 24 FEET WIDE
- SINGLE-FACED BARRICADE 24 FEET WIDE
1. VICTORY TO BE CLOSED DURING CONSTRUCTION. DIRECT TRAFFIC TO USE RANGER DR.
2. BUSINESS ACCESS TO BE MAINTAINED DURING CONSTRUCTION
3. RESTRIPE AND OPEN AS SHOWN IN PHASE 2A (DWG. NO. TC2A-20)

- ROAD CLOSED**
- 48x30
- RI-2
- SINGLE-FACED BARRICADE 24 FEET WIDE
- MOUNTED ON TYPE III
1. LOCAL DR. TO BE CLOSED DURING CONSTRUCTION
2. RESTRIPE AND OPEN AS SHOWN IN PHASE 2A (DWG NO TC2A-20)
3. MAINTAIN LOCAL RD & KROGER ACCESS. SEE CONSTRUCTION INSET THIS SHEET

ADDENDUM

STATE	PROJECT NO.
MISS.	NH-0008-03(029)



**HIGH PRIORITY PHASE 2B
CONSTRUCTION HARPER DR. (EAST AND WEST)
UNDER LANE CLOSURE DURING MIN.
TRAFFIC HOURS**

1. CONSTRUCT HARPER DR. MILL & OVERLAY UNDER LANE CLOSURE DURING MIN. TRAFFIC HOURS
2. RESTRIPE TO PHASE 2A CONDITIONS

FSPD @ 20' O.C.

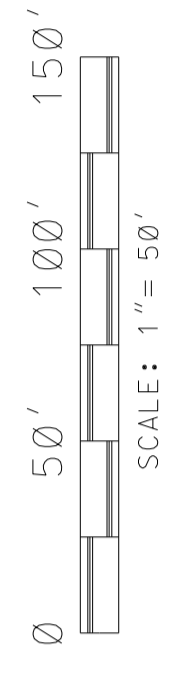
FSPD @ 20' O.C.

**HIGH PRIORITY PHASE 2B
CONSTRUCTION HARPER DR. (EAST AND WEST)
CONSTRUCT HARPER DR. MILL & OVERLAY UNDER LANE CLOSURE.**

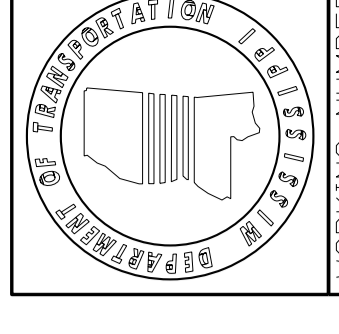
1. CONSTRUCT HARPER DR. MILL & OVERLAY UNDER LANE CLOSURE.
2. RESTRIPE TO PHASE 2A CONDITIONS

	WORK AREA (NEW CONSTRUCTION)
	WORK AREA (HIGH PRIORITY)
	WORK AREA (TEMPORARY PAVEMENT)
	WORK AREA (MILL & OVERLAY)
	PROVIDE ACCESS DURING CONSTRUCTION
	TRAVEL LANES (NUMBER @ WIDTH)
	FREE-STANDING PLASTIC DRUM
	PRECAST CONCRETE BARRIER (PCCTB)

NOTE: CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TRAFFIC CONTROL PLANS	
PHASE 2B	
7/19/17	REVISED CONSTRUCTION NOTE
BY	REVISION
KJC	
COUNTY: RANKIN	
PROJ. NUM.: NH-0008-03(029)	
FILENAME: PHASE 2-SHEETS.DGN	
DATE	DESIGN TEAM
	Michael Baker
	CHECKED
	KJC
	DATE
	03/20/17
WORKING NUMBER	561
TC2B-22	
SHEET NUMBER	

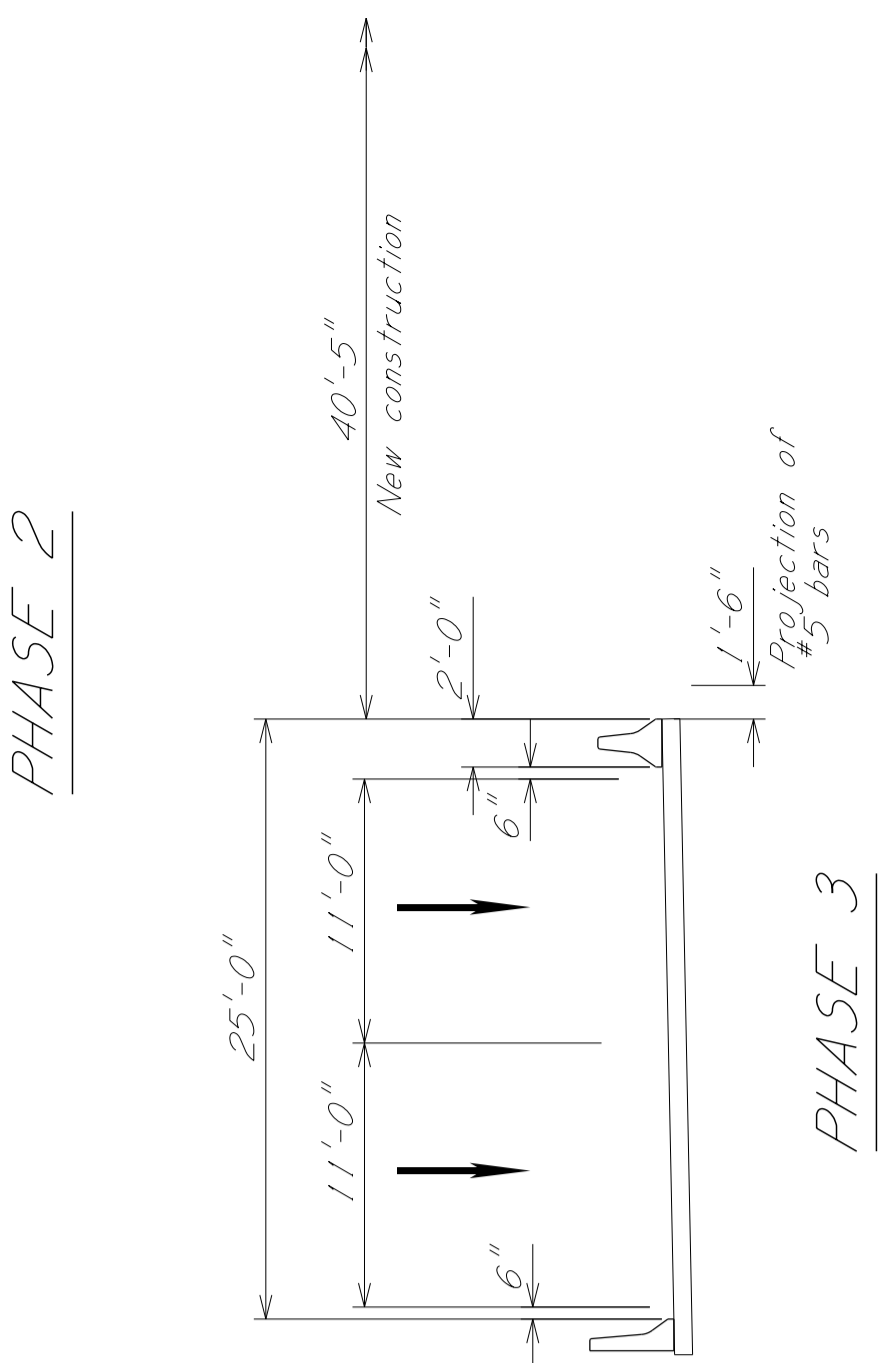
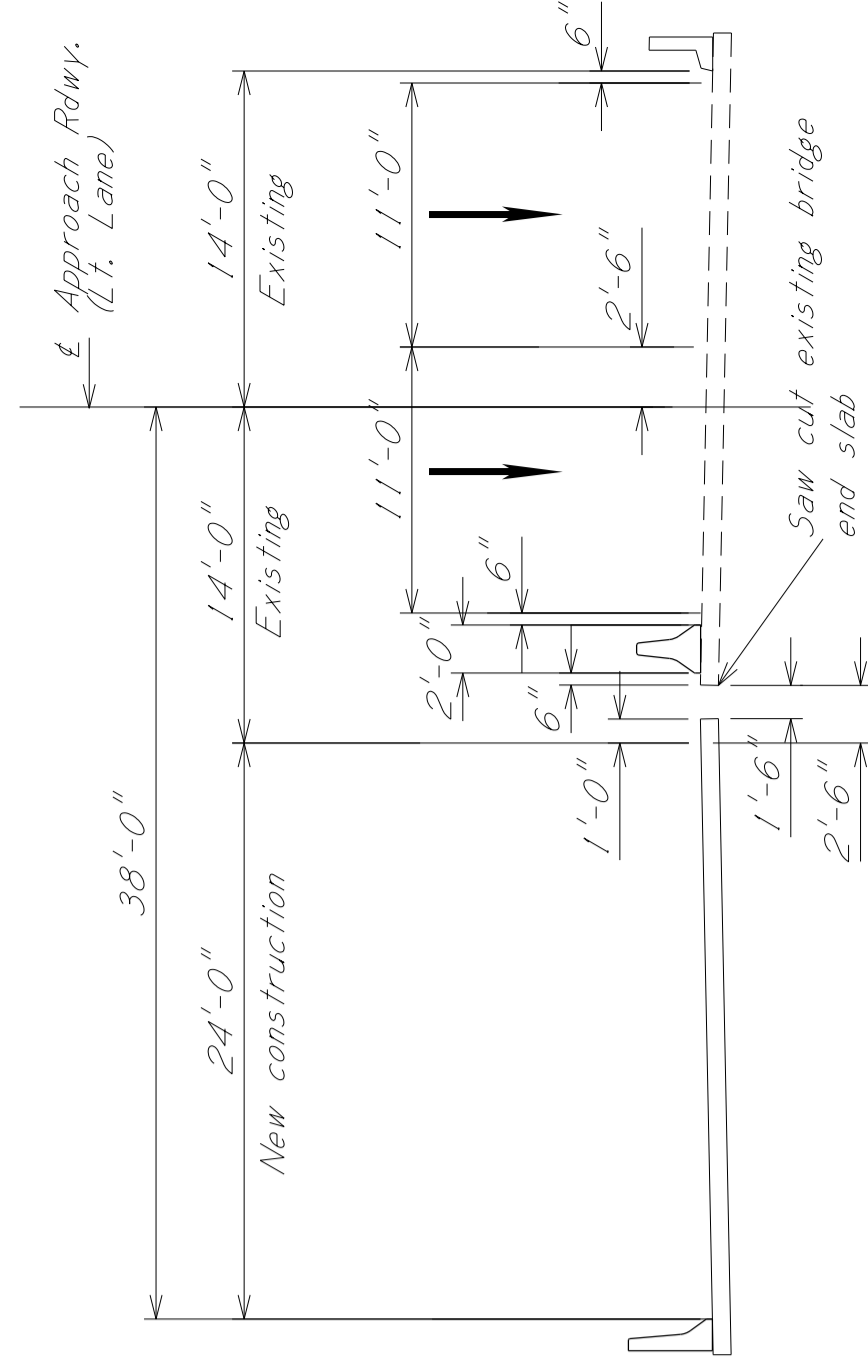


ADDENDUM

FMS COM: 102046/301000

STATE	PROJECT NO.
MISS.	NH-0008-03(029)

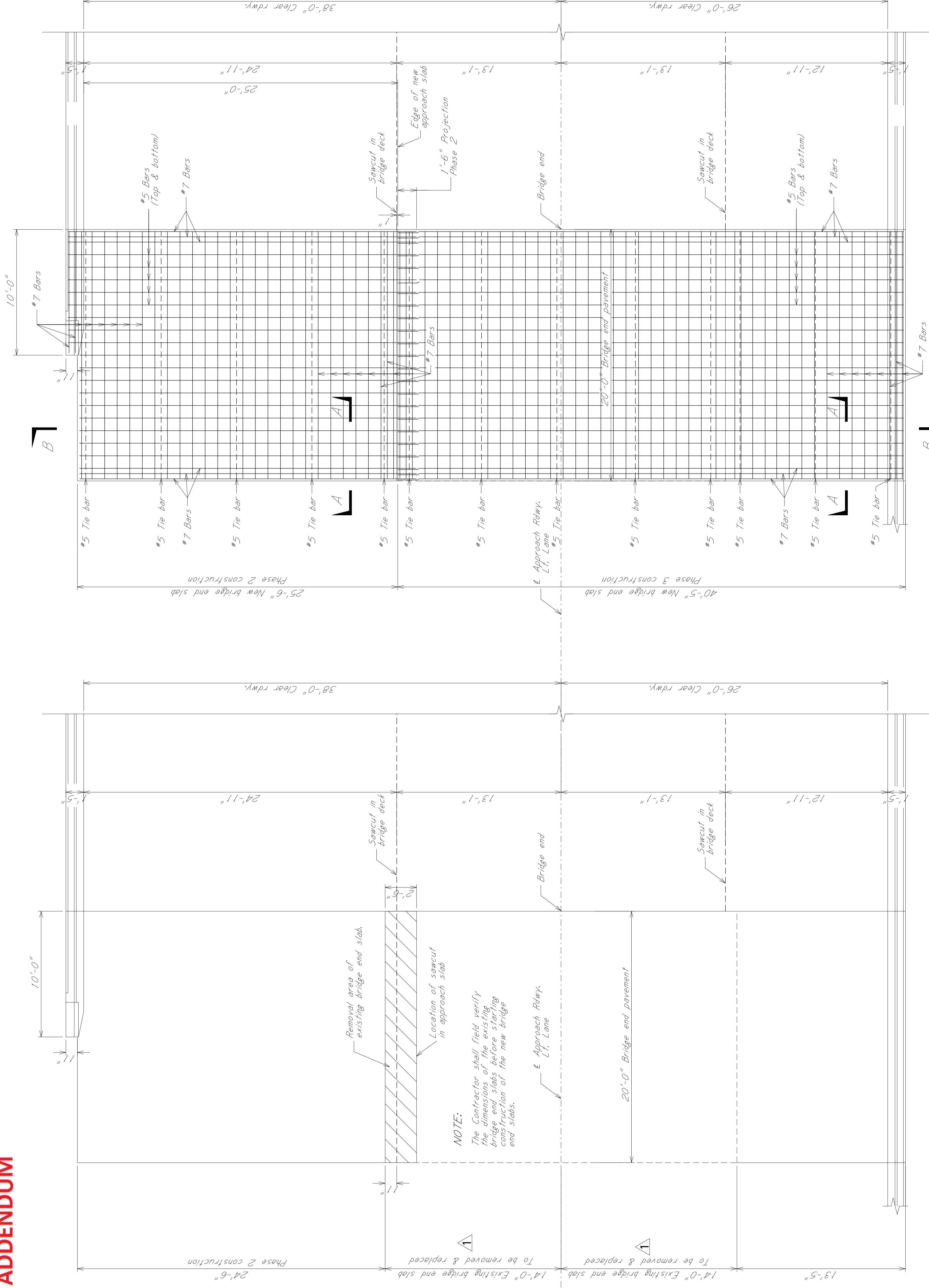
NOTE:
 1. Drawn for left lane, right lane is similar by orientation.
 2. For sections and details not shown on this sheet, see Standard DE-7A.



NOTE:
 1. #5 Tie bars are in top of slab
 2. #7 Tie bars are in bottom of Slab

Scale: 1/4" = 1'-0"

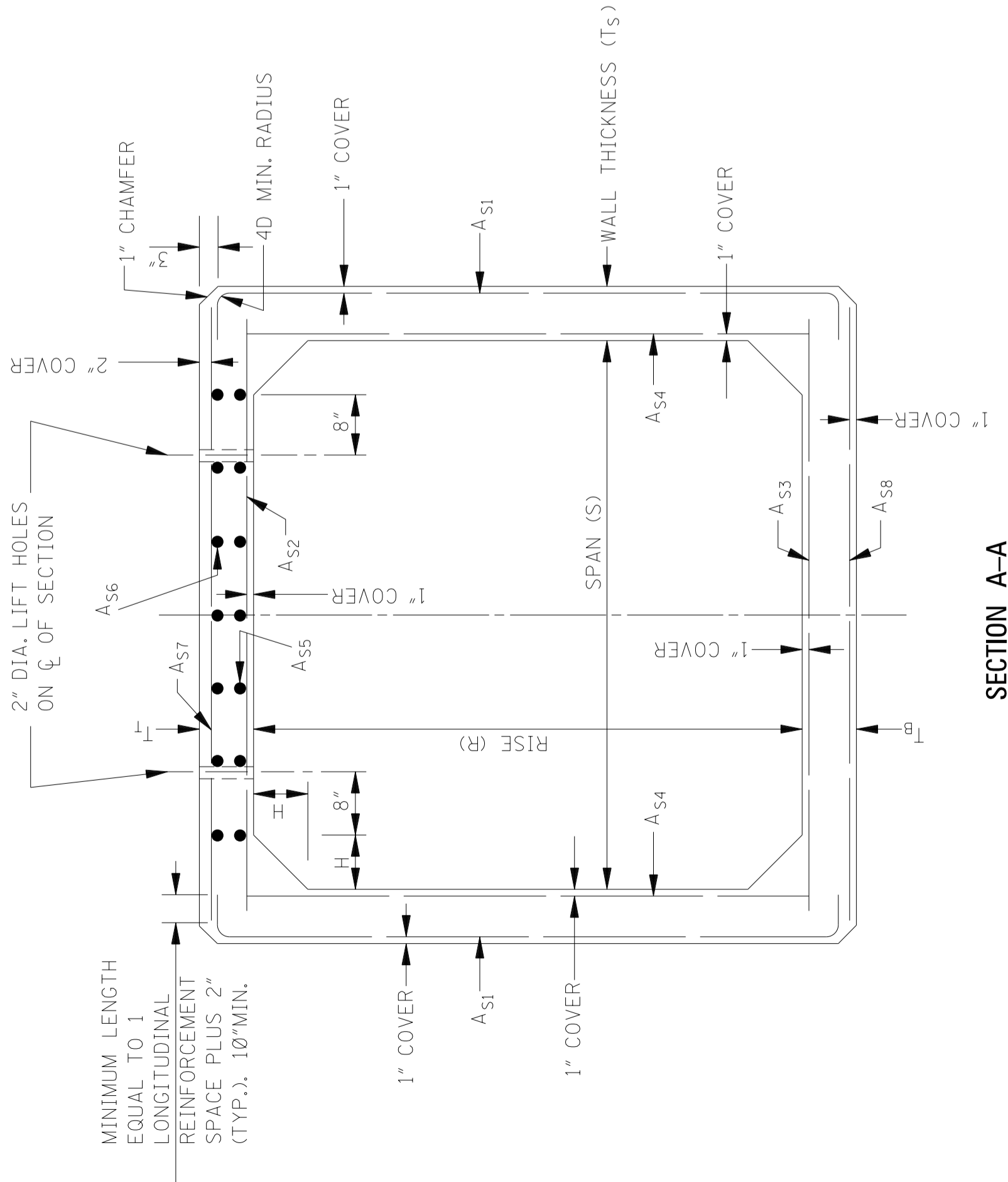
DATE	7/19/17	ADDED NOTES
BY	KJC	REVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION MISCELLANEOUS SPECIAL DESIGN		
BRIDGE "C" - BRIDGE END PAVEMENT DETAILS		
COUNTY:	RANKIN	
PROJ. NUM.:	NH-0008-03(029)	
FILENAME:	BEP-C.DGN	
DESIGN TEAM:	Michael Baker	CHECKED: KJC DATE: 2017
WORKING NUMBER	BEP-C	
SHEET NUMBER	933	



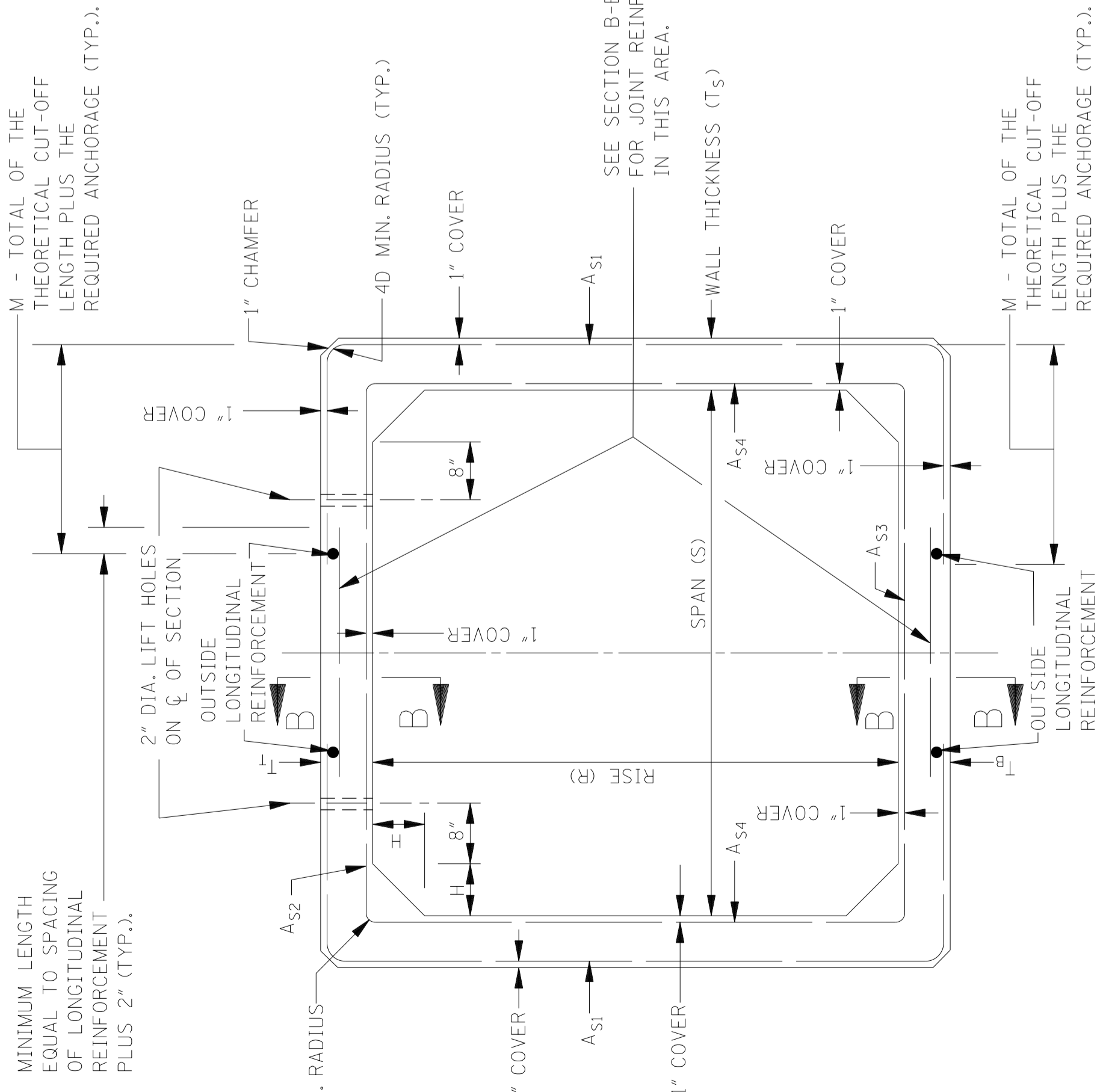
PLAN OF BRIDGE END PAVEMENT
 (Showing slab dimensions & removal area)

PLAN OF BRIDGE END PAVEMENT
 (Showing slab dimensions & reinforcing)

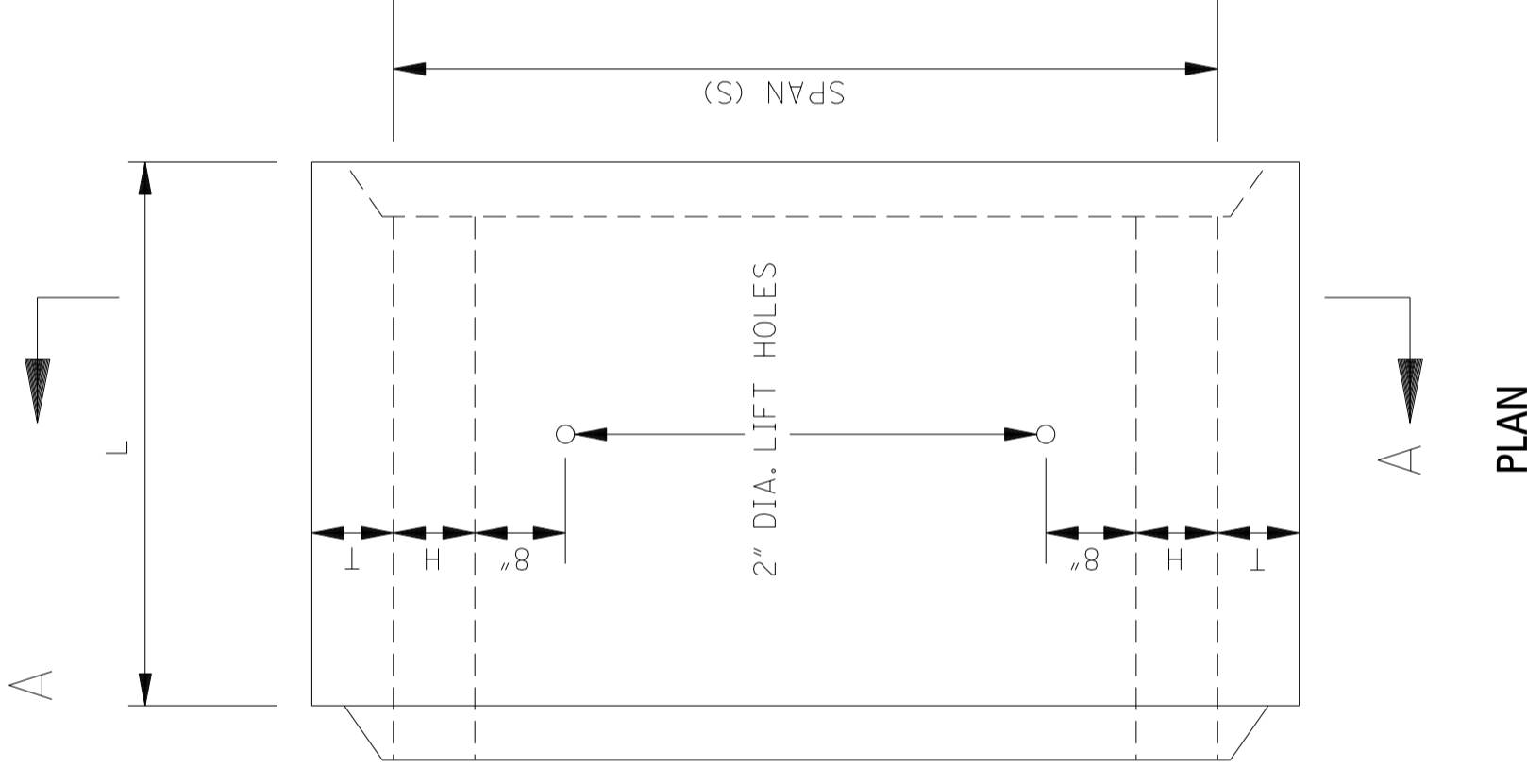
ADDENDUM



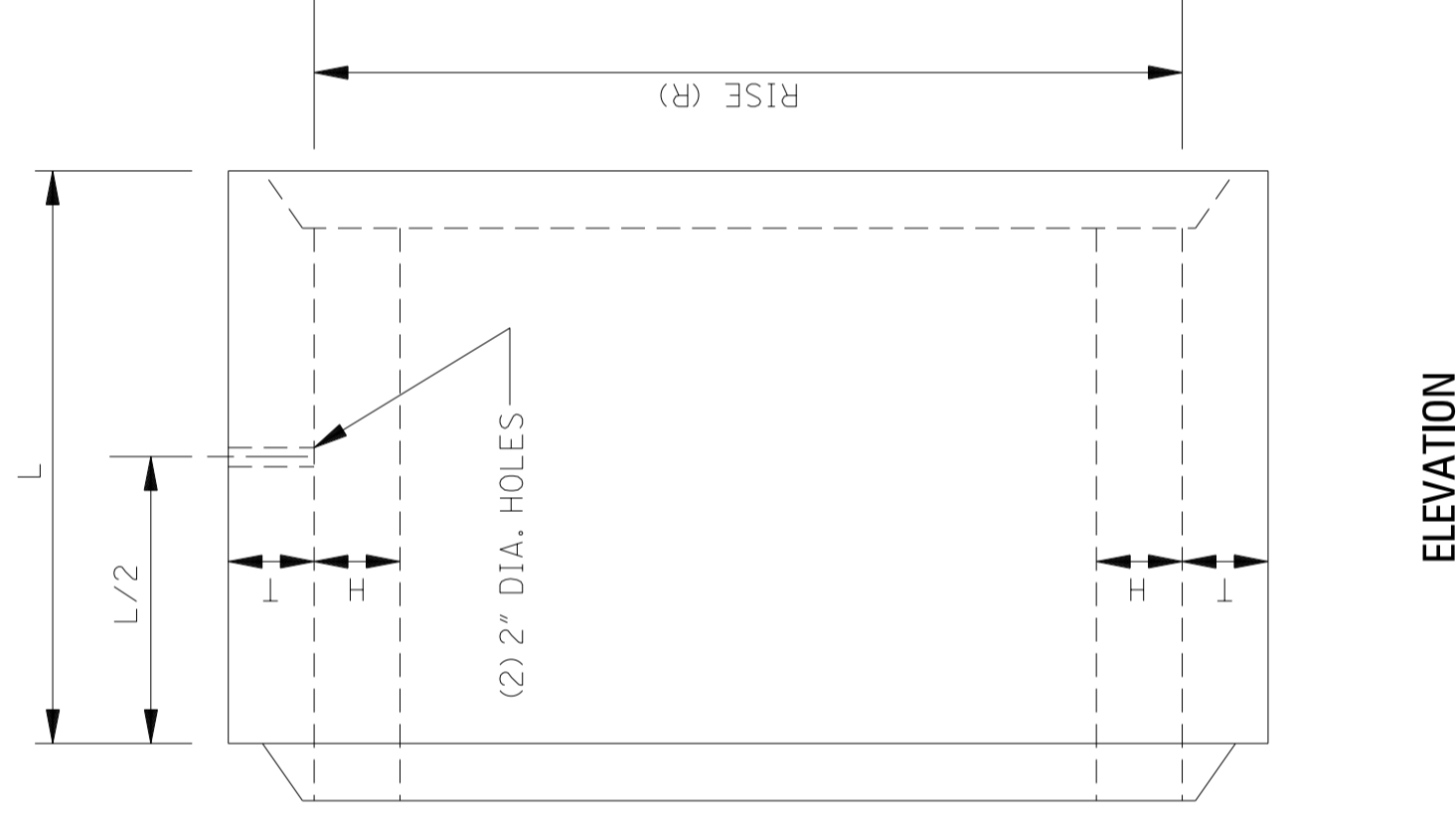
SECTION A-A



SECTION A-A

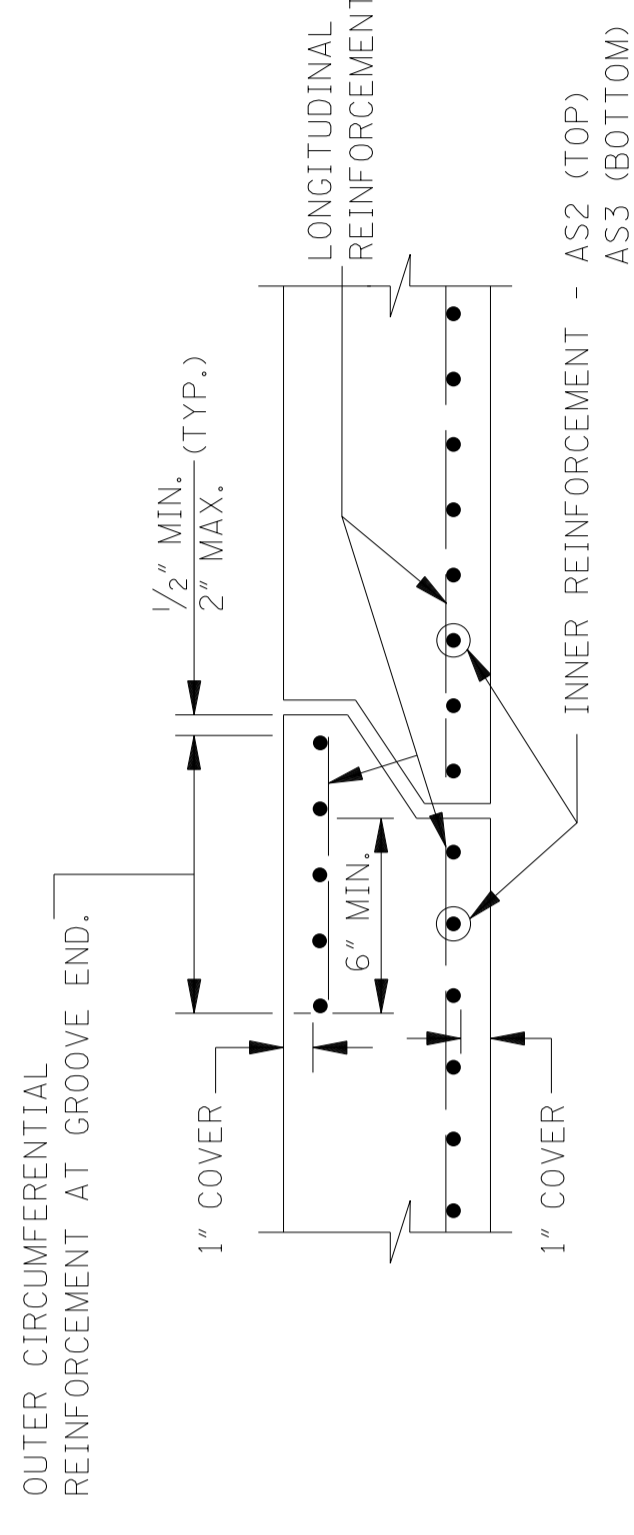


PLAN



ELEVATION

SPAN (FT.)	RISE (FT.)	COVER EQUAL TO OR LESS THAN 2 FEET ASTM C 1577 DESIGN TABLE 1		COVER OF 2 FEET TO MAXIMUM AS SHOWN ASTM C 1577 TABLE 1	
		MINIMUM THICKNESS (INCHES)	MINIMUM THICKNESS (INCHES)	TOP, BOTTOM & WALL THICKNESS (T)	MAXIMUM FILL HEIGHT TO TOP OF BOX (FEET)
		TOP SLAB (T _T)	BOTTOM SLAB (T _B)	WALL (T _S)	
4	2	7 1/2	6	5	30
6	4	8	7	7	30
8	4	8	8	8	20
10	4	10	10	10	25
6	5	8	7	7	30
8	5	8	8	8	20
10	5	10	10	10	25
6	6	8	7	7	30
8	6	8	8	8	20
10	6	10	10	10	25
8	8	8	8	8	20
10	8	10	10	10	20



SECTION B-B

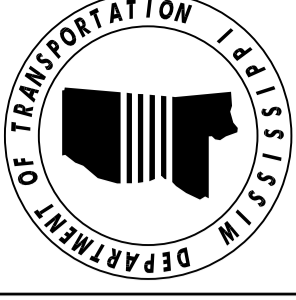
NOTE: TOP SLAB REINFORCEMENT SHOWN.
BOTTOM SLAB REINFORCEMENT SIMILAR.

GENERAL NOTES:

1. THE PRECAST REINFORCED CONCRETE BOX SECTION, EXCLUDING SPECIAL DESIGNS, SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION OF ASTM C 1577 (TABLE 1).
2. THE HAUNCH DIMENSION ("H") IS EQUAL TO THE WALL THICKNESS.
3. CONCRETE BOXES THAT ARE INDICATED AS SPECIAL DESIGNS HAVE BEEN APPROVED AND ARE ON FILE AT THE ROADWAY DESIGN AND BRIDGE DIVISIONS OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION, AND SHALL BE MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATIONS OF ASTM C 1577 (TABLE 1).

DATE	BY	REVISION
7/19/17	KJC	ADDED THIS SHEET

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MISCELLANEOUS SPECIAL DESIGN**



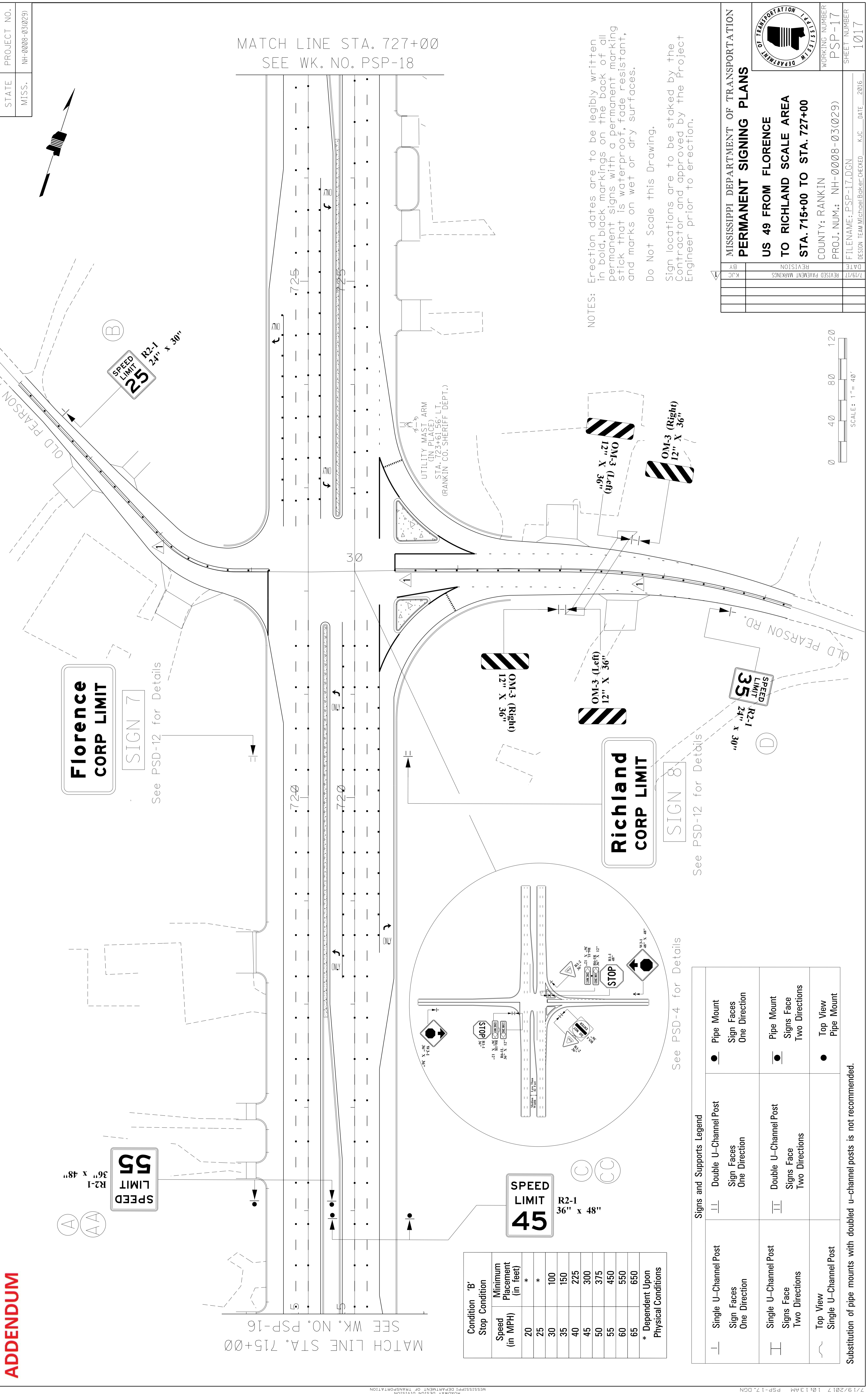
**PRECAST CONCRETE
BOX CULVERT**

COUNTY: RANKIN
 PROJ. NUM.: NH-0008-03(029)
 FILENAME: PBC-1.DGN
 SHEET NUMBER: 999
 DESIGN TEAM: Michael Baker CHECKED: DATE: 2/8/17

ADDENDUM

STATE PROJECT NO.
MISS. NH-0008-03(029)

FMS CON: 102046/301000

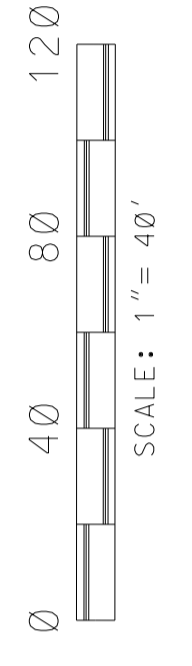


MATCH LINE STA. 727+00
SEE WK. NO. PSP-18

MATCH LINE STA. 715+00
SEE WK. NO. PSP-16

NOTES:
Erection dates are to be legibly written in bold, black markings on the back of all permanent signs with a permanent marking stick that is waterproof, fade resistant, and marks on wet or dry surfaces.
Do Not Scale this Drawing.
Sign locations are to be staked by the Contractor and approved by the Project Engineer prior to erection.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
PERMANENT SIGNING PLANS	
US 49 FROM FLORENCE TO RICHLAND SCALE AREA STA. 715+00 TO STA. 727+00	
COUNTY: RANKIN	
PROJ. NUM.: NH-0008-03(029)	
DATE	WORKING NUMBER
7/19/17	PSP-17
REVISION	SHEET NUMBER
BY KJC	1017
REVISOR	DESIGN TEAM
REVISOR	Michael Baker
REVISOR	CHECKED
REVISOR	KJC
REVISOR	DATE
REVISOR	2016



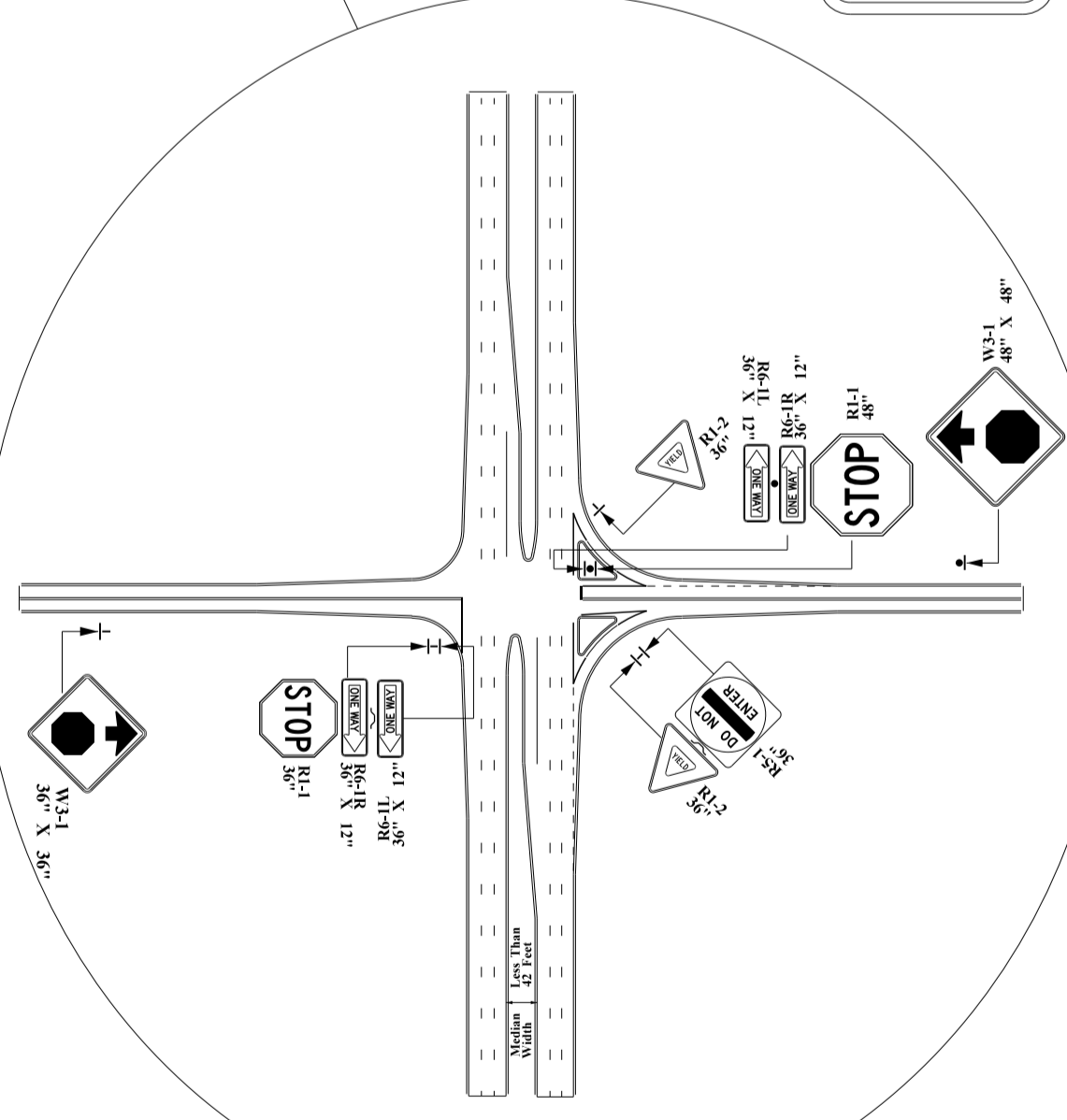
Condition	'B' Stop Condition
Speed (in MPH)	Minimum Placement (in feet)
20	*
25	*
30	100
35	150
40	225
45	300
50	375
55	450
60	550
65	650
* Dependent Upon Physical Conditions	

Signs and Supports Legend		
Single U-Channel Post Sign Faces One Direction	Double U-Channel Post Sign Faces One Direction	Pipe Mount Sign Faces One Direction
Single U-Channel Post Sign Face Two Directions	Double U-Channel Post Sign Face Two Directions	Pipe Mount Sign Face Two Directions
Top View Single U-Channel Post		Top View Pipe Mount

Substitution of pipe mounts with doubled u-channel posts is not recommended.

Florence CORP LIMIT
SIGN 7
See PSD-12 for Details

Richland CORP LIMIT
SIGN 8
See PSD-12 for Details



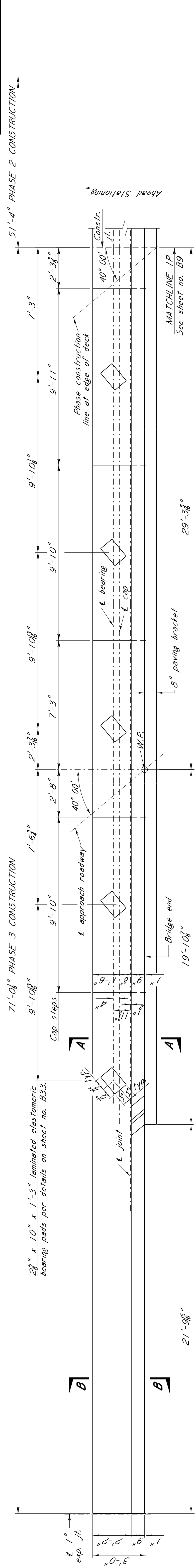
UTILITY MAST ARM (IN PLACE) STA. 723+60.56' LT. (RANKIN CO. SHERIFF DEPT.)

SPEED LIMIT 55 R2-1 36" x 48"

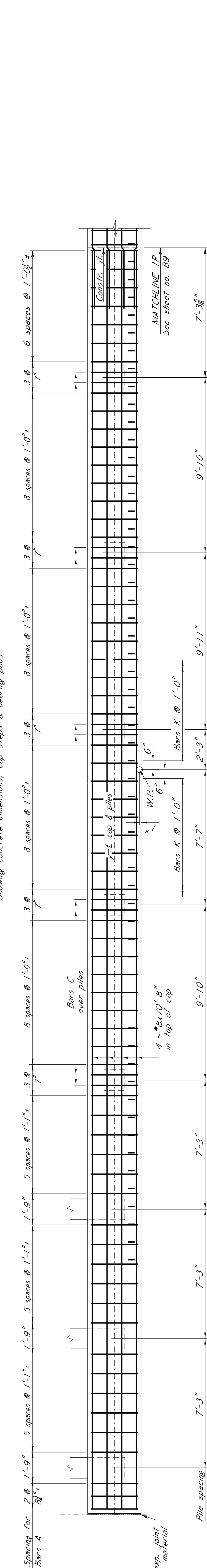
SPEED LIMIT 45 R2-1 36" x 48"

SPEED LIMIT 35 R2-1 24" x 30"

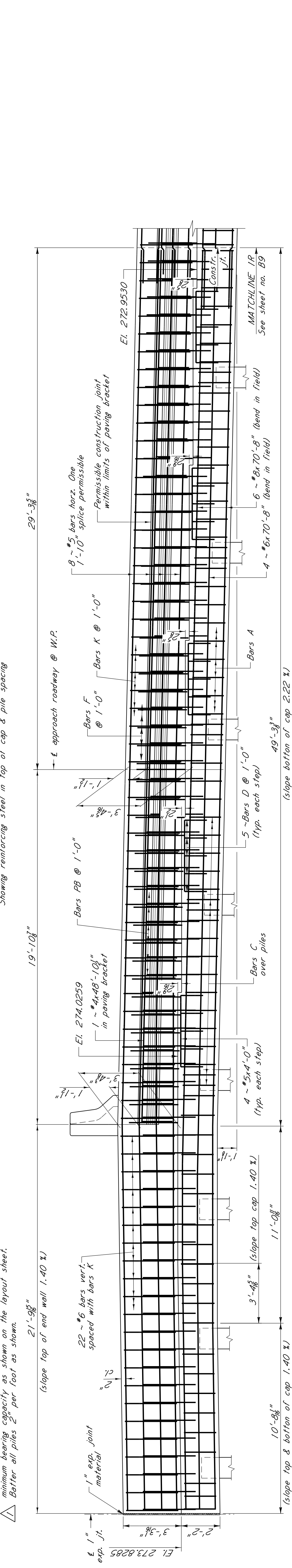
SPEED LIMIT 25 R2-1 24" x 30"



PLAN OF BENT
Showing concrete dimensions, cap steps & bearing pads



PLAN OF CAP
Showing reinforcing steel in top of cap & pile spacing

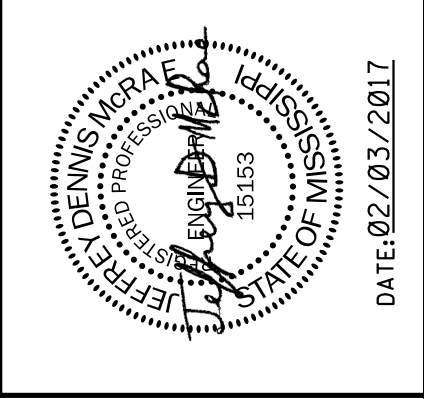


ELEVATION OF BENT - FROM FILL SIDE

NOTE: Piles shall be of the size, type, and driven to the minimum bearing capacity as shown on the layout sheet.
Batter all piles 2" per foot as shown.

NOTE:
Vertical dimensions shown are measured along fill face of end wall (bridge end).
For GENERAL NOTES and other details see sheet no. B13.
For bar bending details see sheet no. B9.

*** SPLICE NOTE:**
Long bars in cap may be lap spliced as follows: #6 - 2'-3"; #8 - 3'-3"



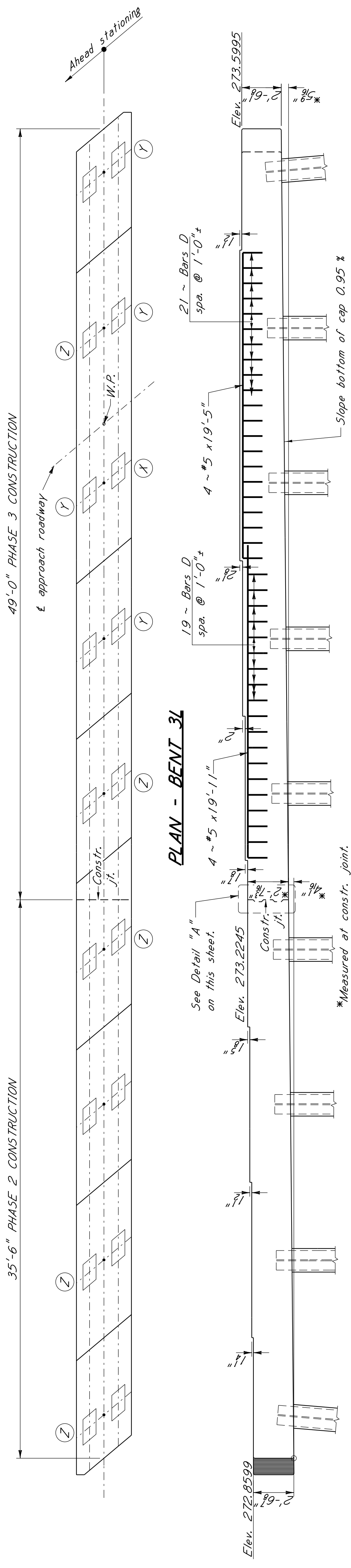
MISSISSIPPI DEPARTMENT OF TRANSPORTATION BRIDGE AT STA. 912+73.58 RT. LN. US HWY. 49 ACROSS SOURIREL BRANCH END BENT NO. 1R PHASE 3 DETAILS PROJECT NO. NH-0008-03(029) RANKIN COUNTY		WORKING NUMBER B10 OF 42
MICHAEL BAKER INTL. - CONSULTING ENGINEERS Jackson, Mississippi		SHEET NUMBER 8049
DESIGNED	JDM	CADD
CHECKED	RRB	ISSUED
DATE	7/19/17	DATE
ADDED NOTE		DATE
REVISIONS		DATE
BY		DATE
JDM		

DATE: 02/03/2017

STATE	PROJECT NO.
MISS.	NH-0008-03(029)

Note: Build-up slab over bearing as follows:

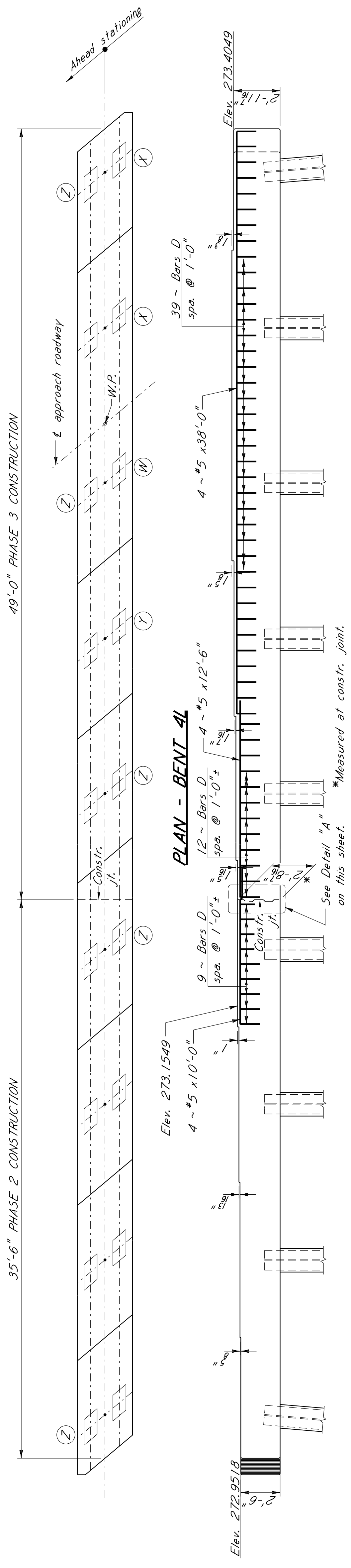
- (W) = 4"
- (X) = 8"
- (Y) = 8"
- (Z) = 16"



PLAN - BENT 3L

ELEVATION - BENT 3L

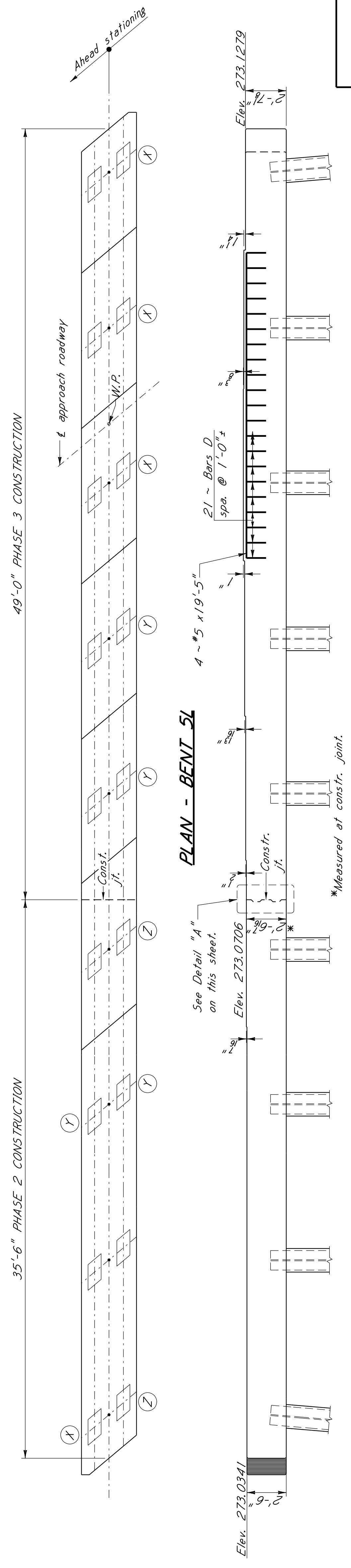
NOTE: Piles shall be of the size, type, and driven to the minimum bearing capacity as shown on the layout sheet.
 Batter indicated piles 1" per foot as shown.



PLAN - BENT 4L

ELEVATION - BENT 4L

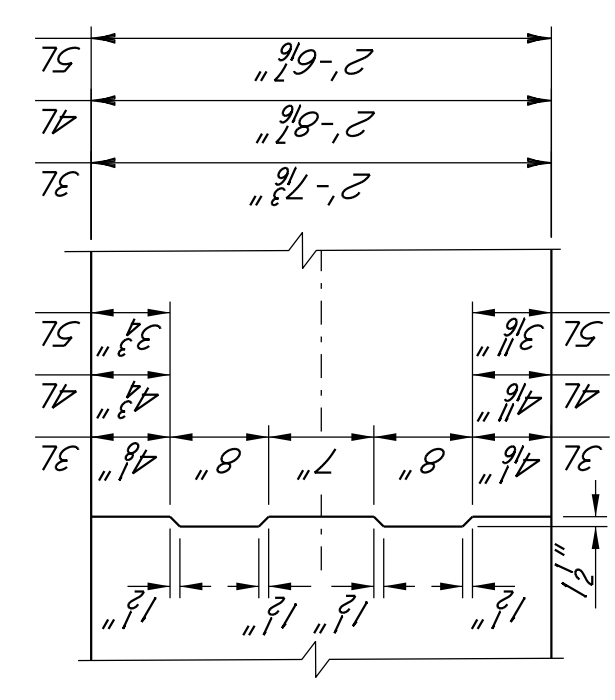
*Measured at constr. joint.



PLAN - BENT 5L

ELEVATION - BENT 5L

*Measured at constr. joint.



DETAIL "A"
KEYED CONSTRUCTION JOINT

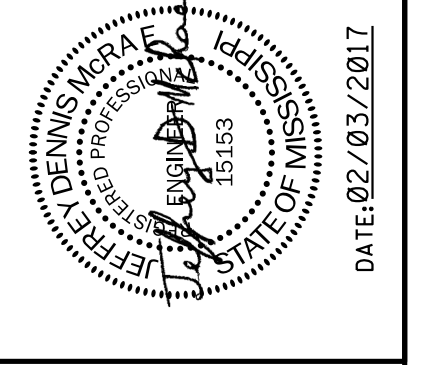
NOTES:

All details and dimensions not shown for Bents no. 3L, 4L & 5L shall be same as Bent 2L per details on sheets no. B14 & B15.

Bars D and long-cap step reinforcement shall be placed with skew.
 See sheet no. B14 for GENERAL NOTES.

BY	REVISIONS	DATE
JDM	REVISED PILE NOTE	7/19/17

DESIGNED	JDM	DATE	7/19/17
CHECKED	RRB	ISSUED	2017
TRACED	ROH	CADD	
SHEET NUMBER	8055		



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGE AT STA. 912+73.58 LT. LN.
 STA. 912+19.88 RT. LN.
 US HWY. 49 ACROSS SOURRELL BRANCH
 INT. BENTS NO. 3L, 4L & 5L

PROJECT NO. 102046/301000
 NH-0008-03(029)
 RANKIN COUNTY

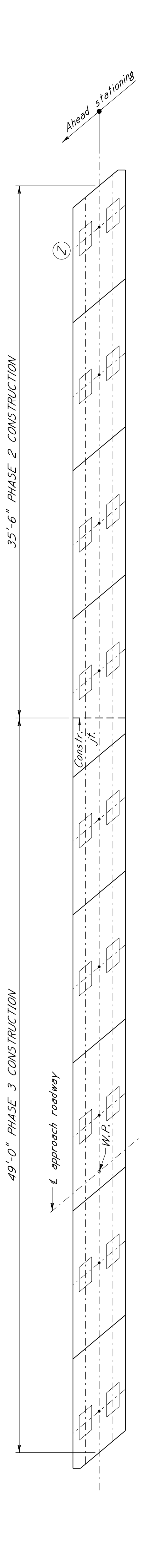
WORKING NUMBER
 B16 OF 42

MICHAEL BAKER INT'L. - CONSULTING ENGINEERS
 JACKSON, MISSISSIPPI

STATE	PROJECT NO.
MISS.	NH-0008-03(029)

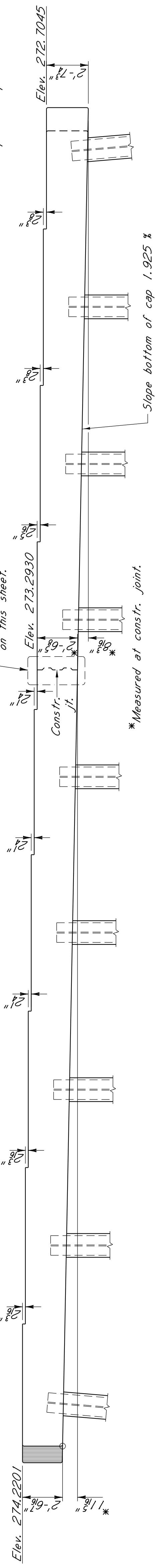
Note: Build-up slab over bearing as follows:

- (W) = 4"
- (X) = 16"
- (Y) = 8"
- (Z) = 16"

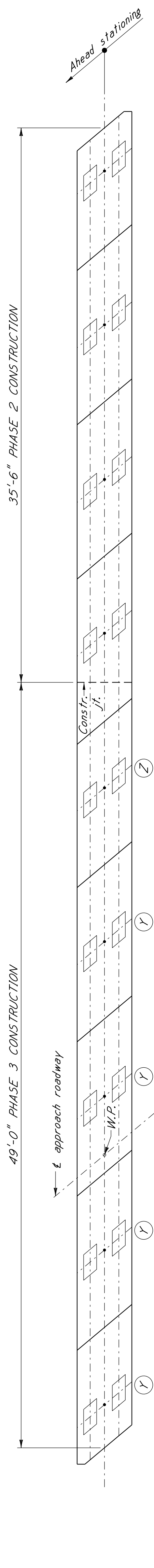


PLAN - BENT 3R

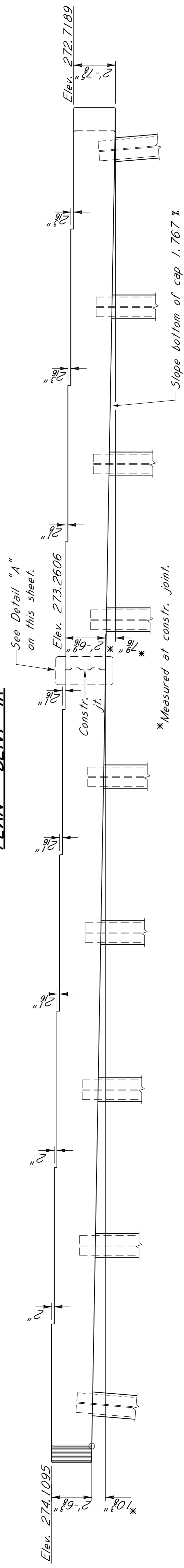
NOTE: Piles shall be of the size, type, and driven to the minimum bearing capacity as shown on the layout sheet.
 1 Better indicated piles 1" per foot as shown.



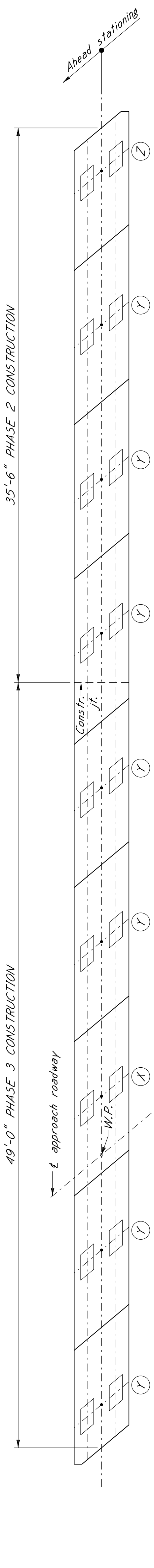
ELEVATION - BENT 3R



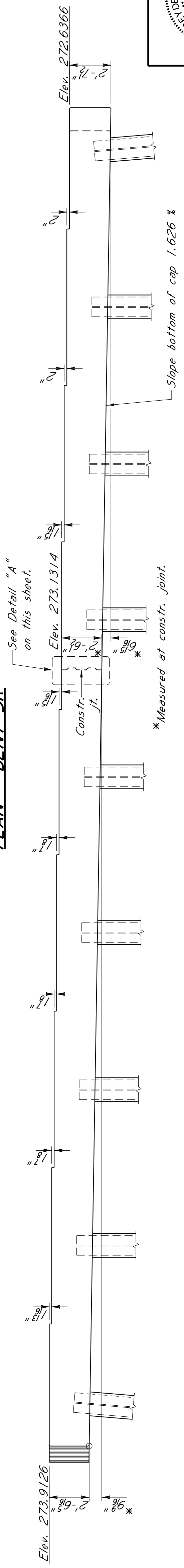
PLAN - BENT 4R



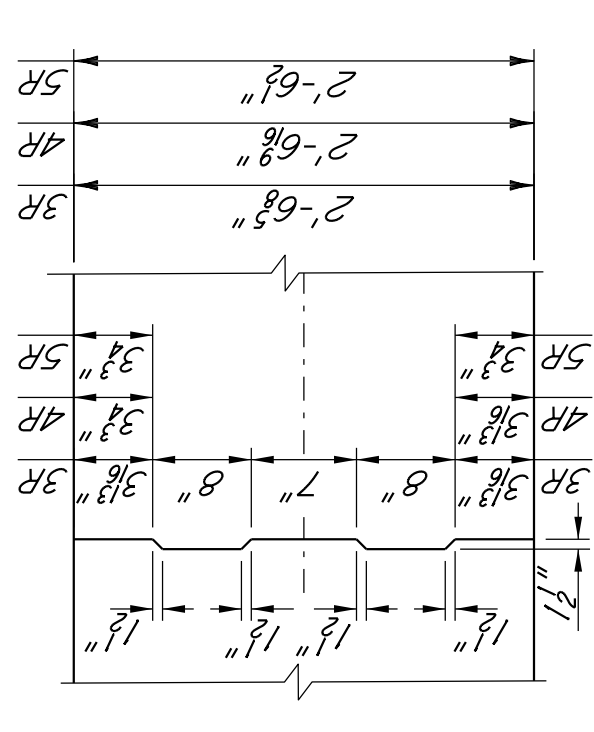
ELEVATION - BENT 4R



PLAN - BENT 5R



ELEVATION - BENT 5R



**DETAIL "A"
KEYED CONSTRUCTION JOINT**

NOTES:

All details and dimensions not shown for Bents no. 3R, 4R & 5R shall be same as Bent 2R per details on sheets no. B17 & B18.

Bars D and long-cap step reinforcement shall be placed with skew.

See sheet no. B17 for GENERAL NOTES.

DESIGNED	JDM	DATE	7/19/17
CHECKED	RRB	ISSUED	
TRACED	CADD	DATE	2017
WORKING NUMBER	B19 OF 42		
PROJECT NO.	102046/301000		
RANKIN COUNTY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
MICHAEL BAKER INT'L. - CONSULTING ENGINEERS	BRIDGE AT STA. 912+73.58		
Jackson, Mississippi	LT. LN.		
	RT. LN.		
	US HWY. 49 ACROSS SOURIREL BRANCH		
	INT. BENTS NO. 3R, 4R & 5R		
	SHEET NUMBER 8058		

